

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057027.D
 Acq On : 1 Aug 2019 10:59
 Operator : JC/SP
 Sample : VN0801WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Quant Time: Aug 02 05:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	77169	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	409268	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347069	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145435	28.80	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	147987	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	506457	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	88425	19.165	ug/l 96
3) Chloromethane	2.05	50	102021	18.121	ug/l 97
4) Vinyl Chloride	2.18	62	96909	17.853	ug/l 99
5) Bromomethane	2.55	94	61974	18.595	ug/l 98
6) Chloroethane	2.69	64	52296	17.369	ug/l 97
7) Trichlorofluoromethane	3.00	101	132931	20.109	ug/l 99
8) Diethyl Ether	3.40	74	48859	19.836	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77086	18.569	ug/l 95
10) 1,1-Dichloroethene	3.73	96	76378	18.539	ug/l 98
11) Methyl Iodide	3.94	142	107109	17.573	ug/l 99
12) Methyl Acetate	4.31	43	75827	15.040	ug/l 97
13) Acrolein	3.60	56	74609	130.751	ug/l 100
14) Acrylonitrile	4.97	53	172880	88.909	ug/l 99
15) Acetone	3.81	58	51497	102.440	ug/l 93
16) Carbon Disulfide	4.04	76	202856	18.261	ug/l 99
17) Allyl chloride	4.31	41	117446	17.036	ug/l 98
18) Methylene Chloride	4.54	84	88547	18.466	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	82276	18.871	ug/l 97
20) Diisopropyl ether	5.94	45	250896	17.925	ug/l 96
21) 1,1-Dichloroethane	5.83	63	149384	18.364	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	93526	18.508	ug/l 99
23) tert-Butyl Alcohol	4.77	59	58069	89.489	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	227189	18.240	ug/l 98
25) Chloroform	7.36	83	150087	18.913	ug/l 98
26) Cyclohexane	7.64	56	132717	17.761	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	111165	19.140	ug/l 97
30) 2-Butanone	6.82	43	219908	94.244	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110513	20.505	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	123932	19.421	ug/l 99
33) Carbon Tetrachloride	7.76	117	107195	19.246	ug/l 97
34) Benzene	8.03	78	343324	18.761	ug/l 99
35) Methacrylonitrile	7.16	41	40359	17.319	ug/l 99
36) 1,2-Dichloroethane	8.11	62	108637	19.096	ug/l 99
37) Trichloroethene	8.82	130	92377	18.829	ug/l 98
38) Methylcyclohexane	9.07	83	133595	18.082	ug/l 99
39) 1,2-Dichloropropane	9.11	63	90902	18.609	ug/l 96
40) Dibromomethane	9.20	93	58861	19.643	ug/l 98

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Quant Time: Aug 02 05:08:02 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	109392	18.998	ug/l	100
42) Vinyl Acetate	5.88	43	932184	89.707	ug/l	99
43) Ethyl Acetate	6.92	43	89836	18.780	ug/l	95
44) Isopropyl Acetate	8.16	43	144543	18.128	ug/l	100
45) 1,4-Dioxane	9.19	88	28113	370.356	ug/l	93
46) Methyl methacrylate	9.19	41	69608	17.499	ug/l	97
47) n-amyl Acetate	12.07	43	103376	16.196	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	109730	18.313	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	129775	18.586	ug/l	99
50) 1,1,2-Trichloroethane	10.55	97	83080	19.310	ug/l	98
51) Ethyl methacrylate	10.42	69	110694	17.788	ug/l	99
52) 1,3-Dichloropropane	10.70	76	136950	18.861	ug/l	99
53) Dibromochloromethane	10.90	129	84583	18.914	ug/l	100
54) 1,2-Dibromoethane	11.00	107	83916	19.119	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	212882	78.988	ug/l	97
56) Bromoform	12.12	173	57323	18.526	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	432823	92.930	ug/l	98
59) 2-Hexanone	10.75	43	295561	93.128	ug/l	98
61) Tetrachloroethene	10.63	164	99192	20.393	ug/l	99
62) Toluene	10.15	91	367197	19.453	ug/l	98
64) Chlorobenzene	11.43	112	218611	19.227	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	84239	19.560	ug/l	99
66) Ethyl Benzene	11.51	91	372575	18.731	ug/l	98
67) m/p-Xylenes	11.62	106	286954	38.687	ug/l	100
68) o-Xylene	11.94	106	138192	18.949	ug/l	99
69) Styrene	11.96	104	215941	18.273	ug/l	100
70) Isopropylbenzene	12.25	105	367946	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	105754	19.663	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	120807	25.530	ug/l	65
73) Bromobenzene	12.52	156	92513	18.671	ug/l	99
74) n-propylbenzene	12.59	91	379133	18.058	ug/l	99
75) 2-Chlorotoluene	12.67	91	241648	18.984	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	313129	19.371	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	25276	17.012	ug/l	93
78) 4-Chlorotoluene	12.77	91	216957	17.931	ug/l	99
79) tert-butylbenzene	12.99	119	271066	19.432	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	299089	18.979	ug/l	98
81) sec-Butylbenzene	13.17	105	341206	18.735	ug/l	99
82) p-Isopropyltoluene	13.29	119	299954	18.339	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	131977	16.917	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	121764	16.507	ug/l	99
85) n-Butylbenzene	13.61	91	208875	16.263	ug/l	99
86) Hexachloroethane	13.87	117	53342	19.487	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	140999	18.196	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14573	17.515	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43973	16.254	ug/l	99
90) Hexachlorobutadiene	15.00	225	58600	20.574	ug/l	96
91) Naphthalene	15.12	128	104714	15.325	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	54857	13.391	ug/l	99

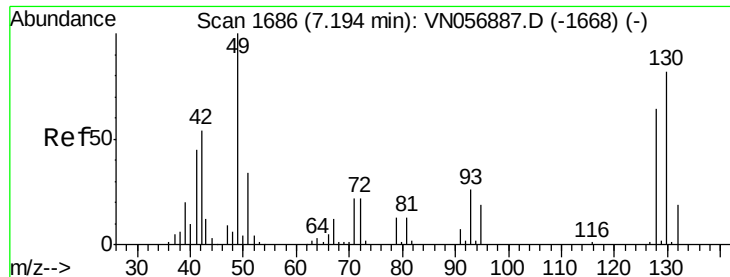
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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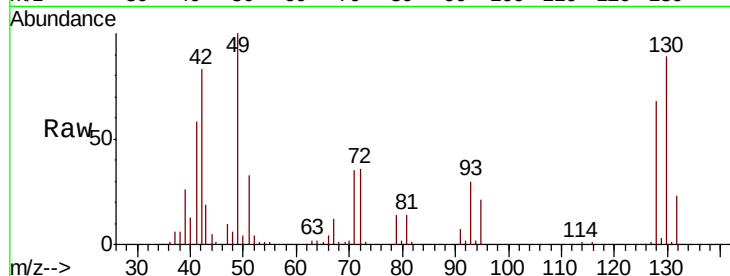
(#) = qualifier out of range (m) = manual integration (+) = signals summed



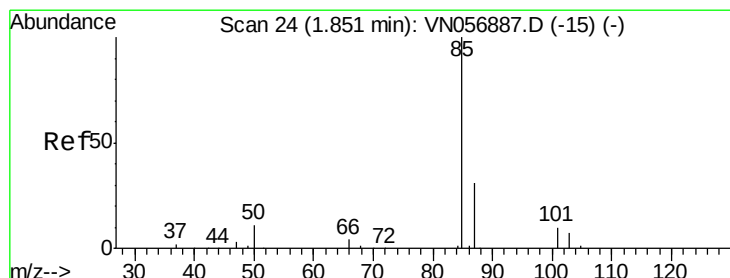
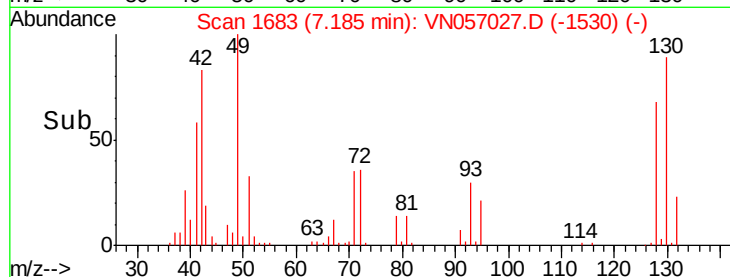
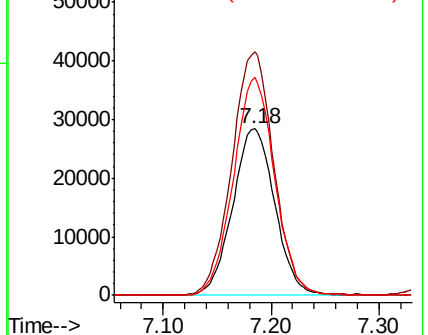
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion:128 Resp: 77169
 Ion Ratio Lower Upper
 128 100
 49 145.7 0.0 385.8
 130 128.2 0.0 322.5

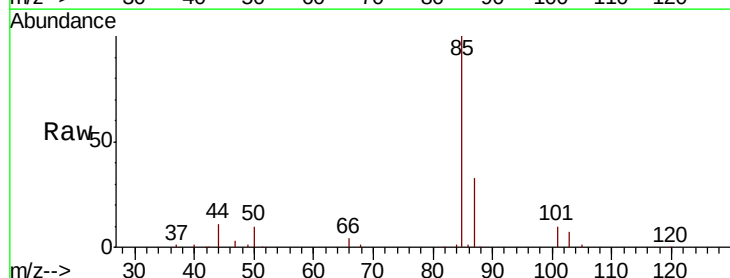


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

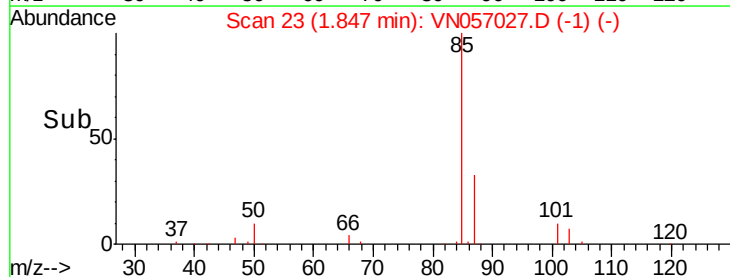
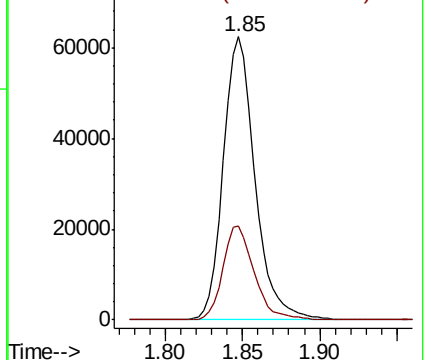


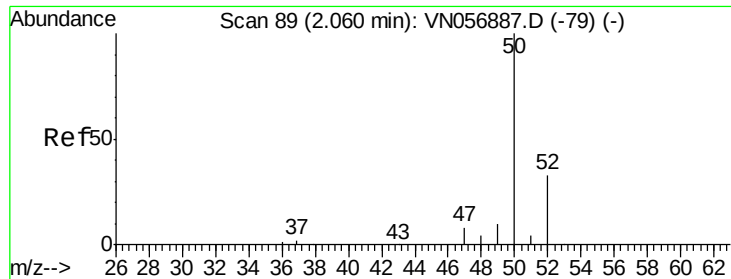
#2
 Dichlorodifluoromethane
 Concen: 19.165 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 85 Resp: 88425
 Ion Ratio Lower Upper
 85 100
 87 33.4 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.121 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

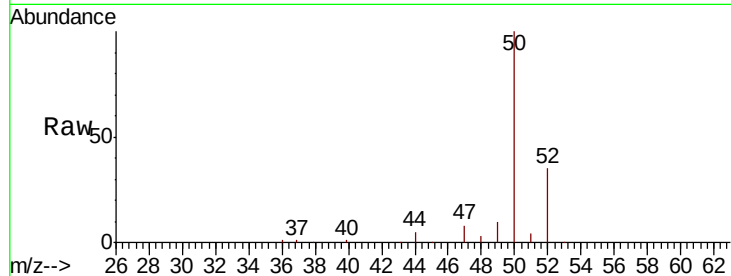
VN0801WBSD01

Tot Ion: 50 Resp: 102021

Ion Ratio Lower Upper

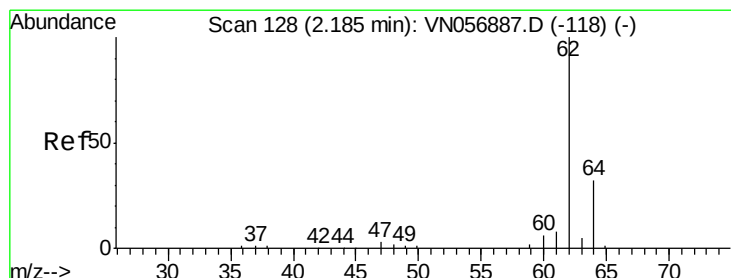
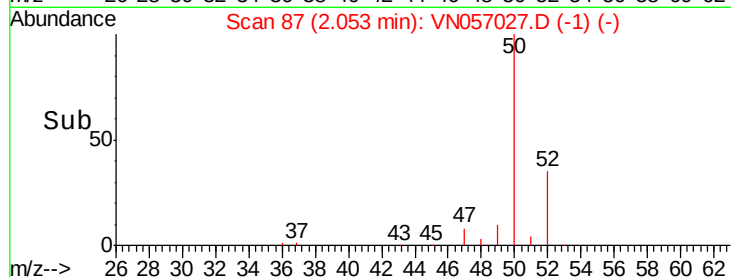
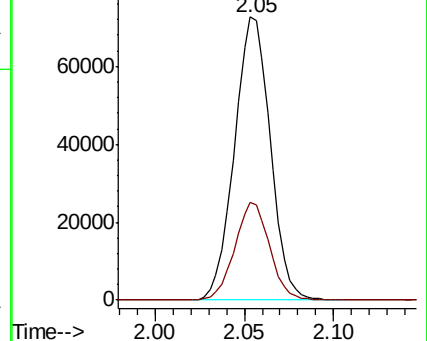
50 100

52 34.6 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.853 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057027.D

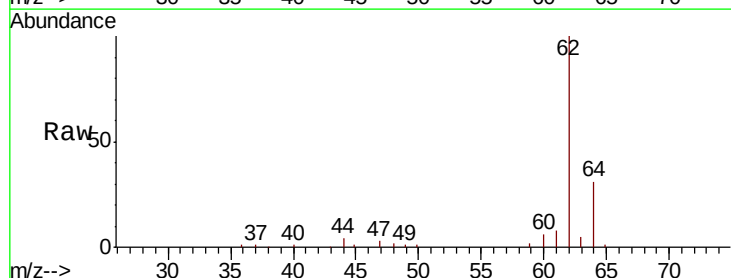
Acq: 1 Aug 2019 10:59

Tgt Ion: 62 Resp: 96909

Ion Ratio Lower Upper

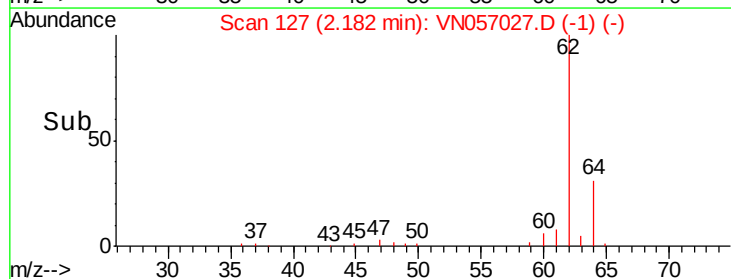
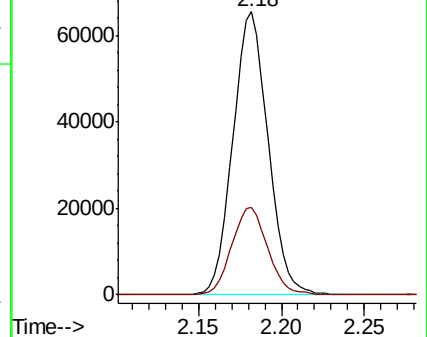
62 100

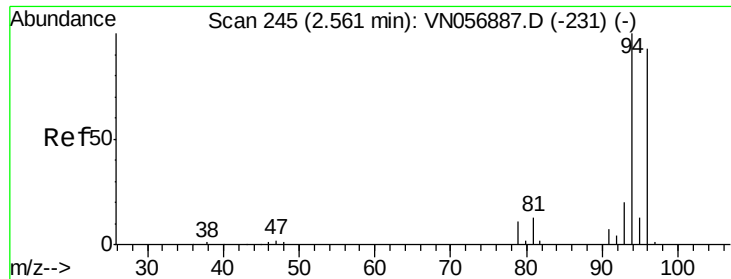
64 31.0 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

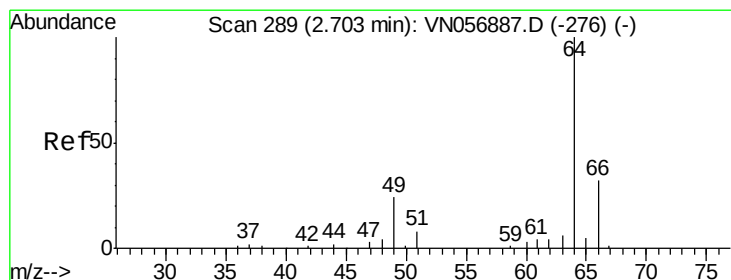
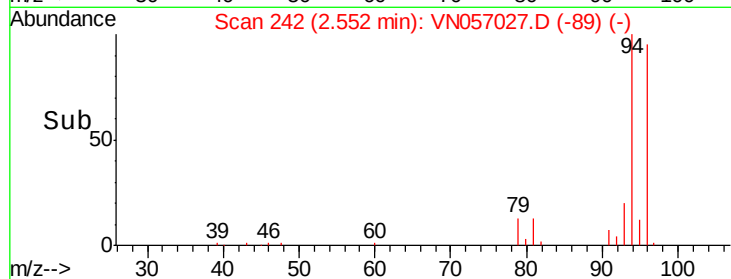
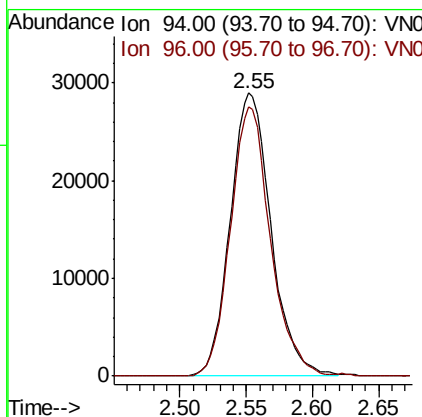
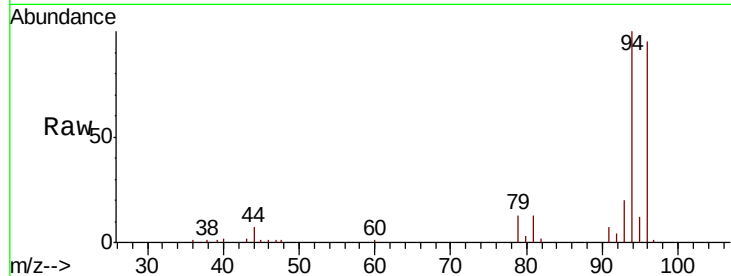




#5
Bromomethane
Concen: 18.595 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

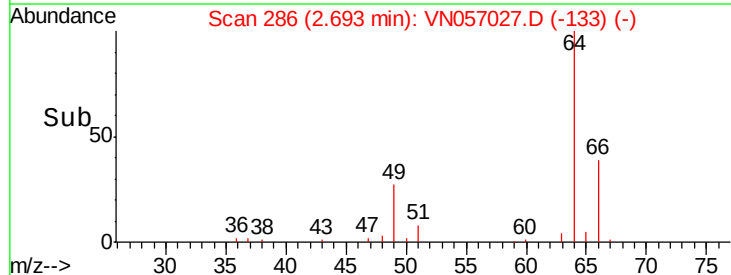
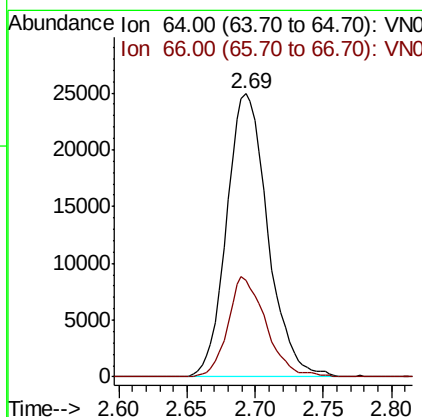
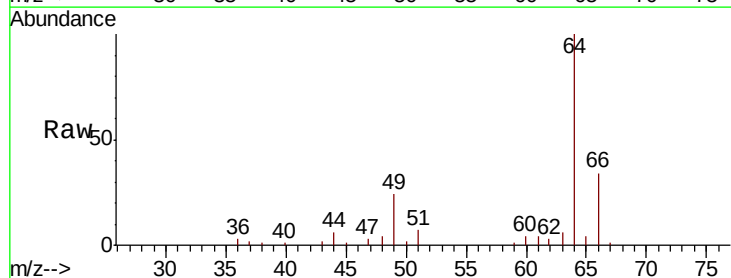
Instrument :
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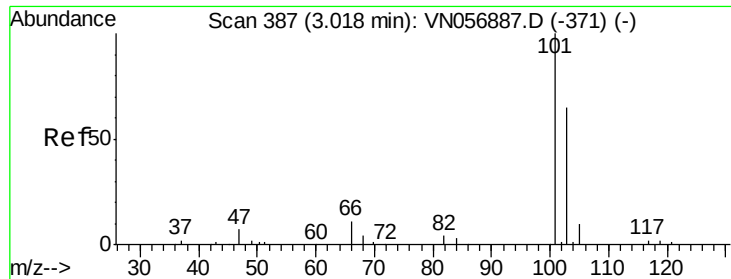
Tot Ion: 94 Resp: 61974
Ion Ratio Lower Upper
94 100
96 95.1 74.7 112.1



#6
Chloroethane
Concen: 17.369 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 64 Resp: 52296
Ion Ratio Lower Upper
64 100
66 34.2 25.8 38.8



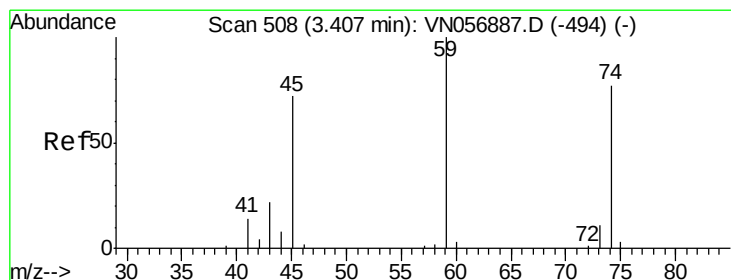
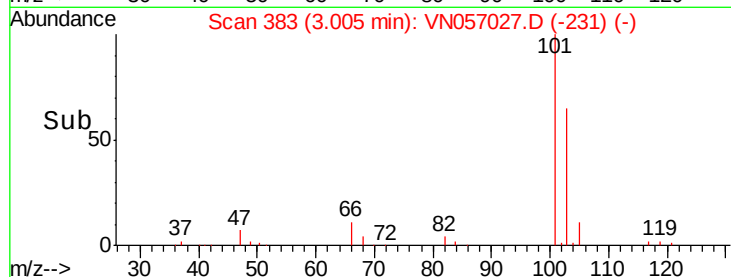
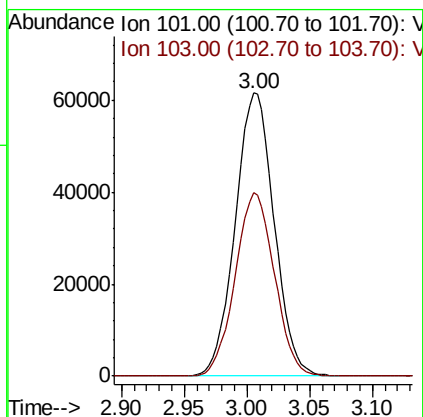
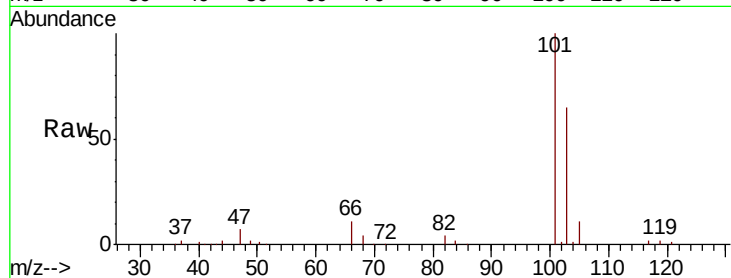


#7

Trichlorofluoromethane
 Concen: 20.109 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

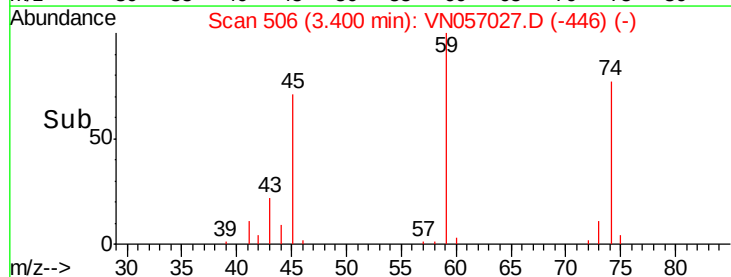
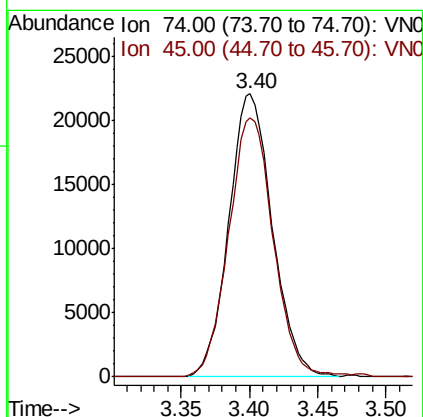
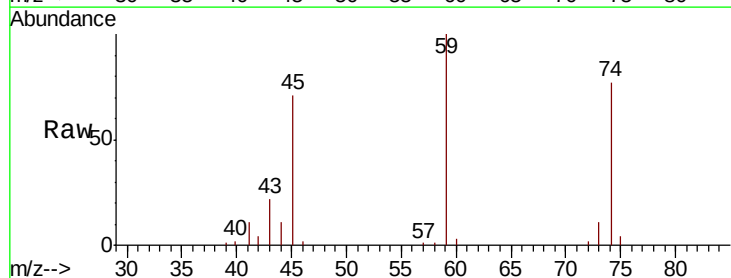
Tot Ion:101 Resp: 132931
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.4

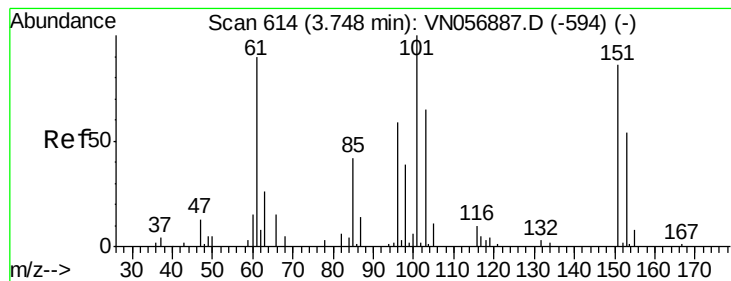


#8

Diethyl Ether
 Concen: 19.836 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 74 Resp: 48859
 Ion Ratio Lower Upper
 74 100
 45 93.6 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.569 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

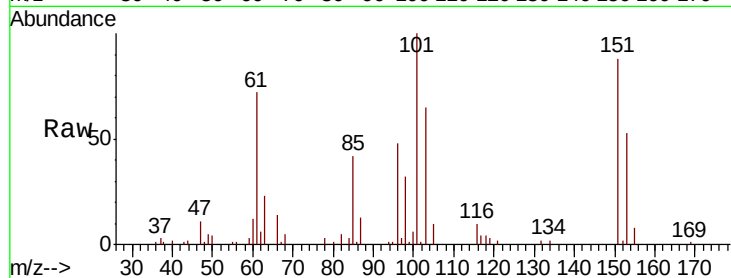
Tot Ion:101 Resp: 77086

Ion Ratio Lower Upper

101 100

85 41.1 0.0 85.0

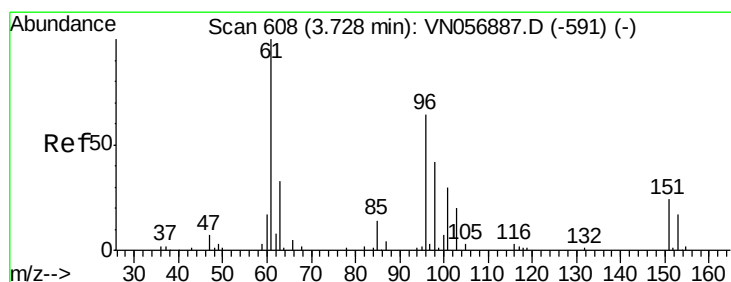
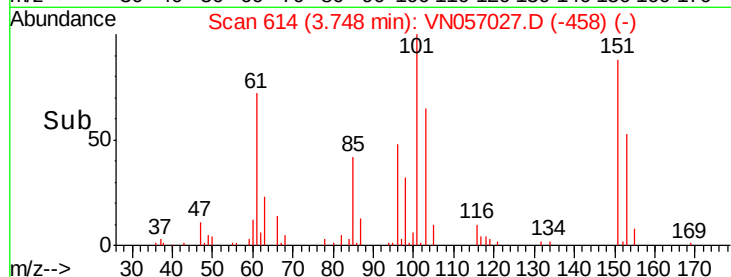
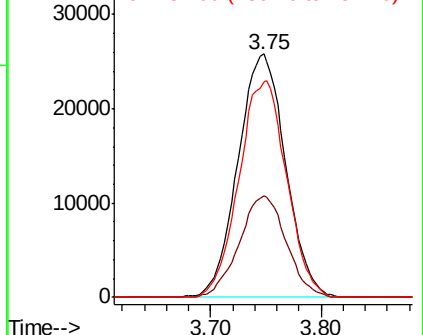
151 89.0 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.539 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

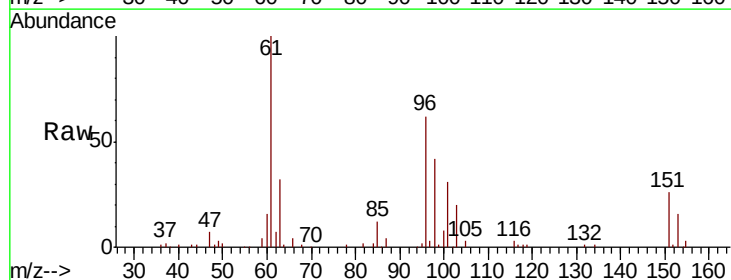
Tgt Ion: 96 Resp: 76378

Ion Ratio Lower Upper

96 100

61 159.9 125.8 188.8

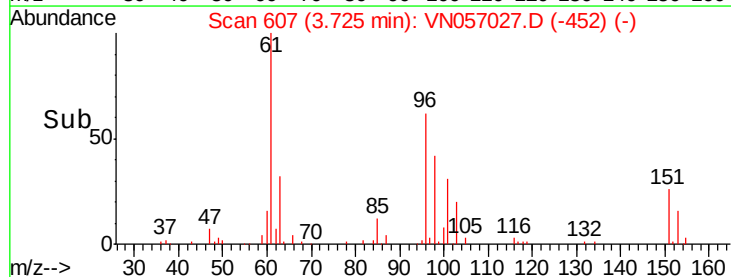
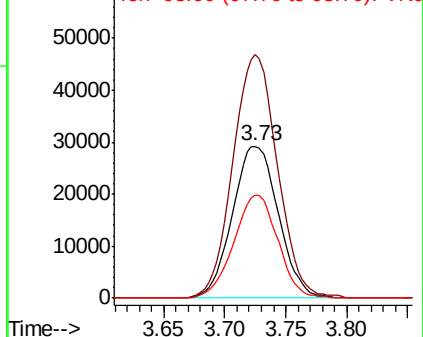
98 67.9 52.7 79.1

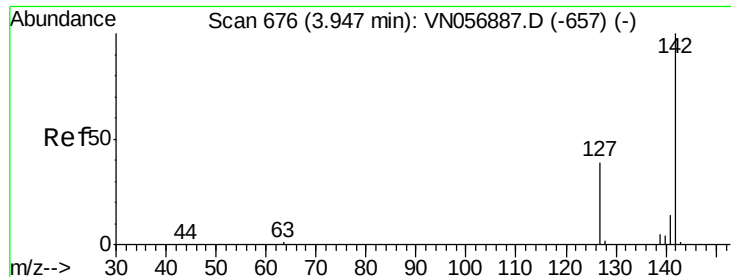


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

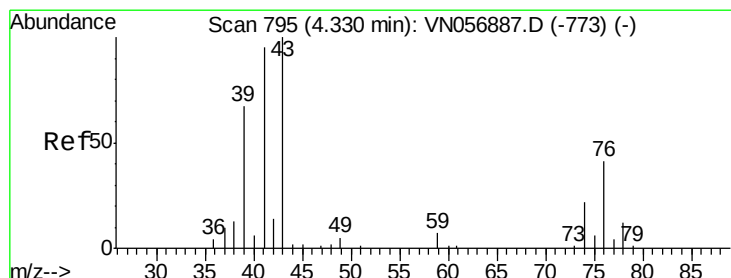
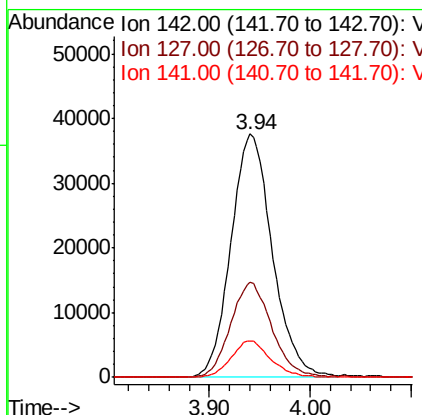
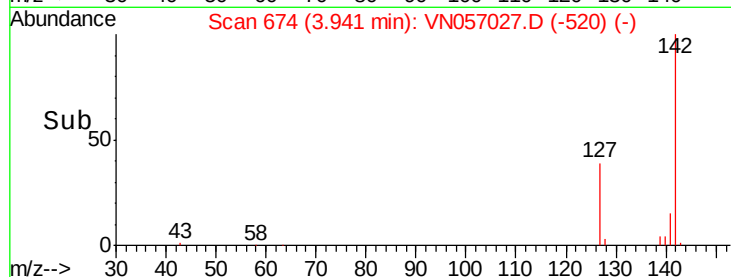
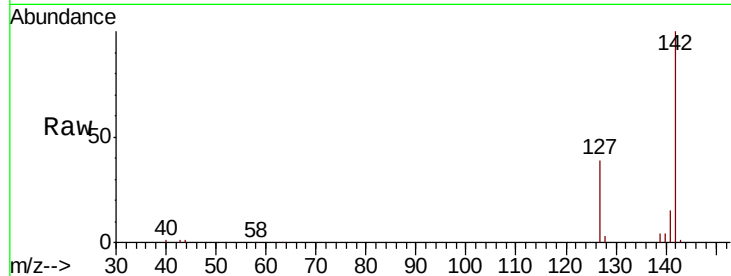




#11
Methvl Iodide
Concen: 17.573 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

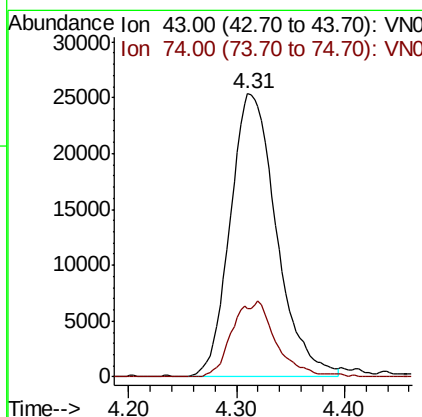
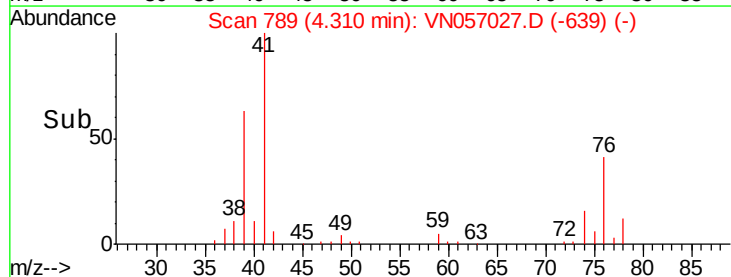
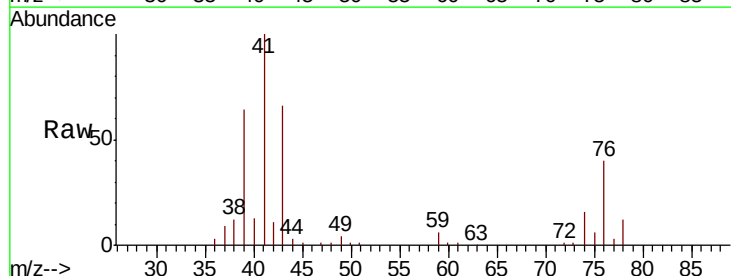
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

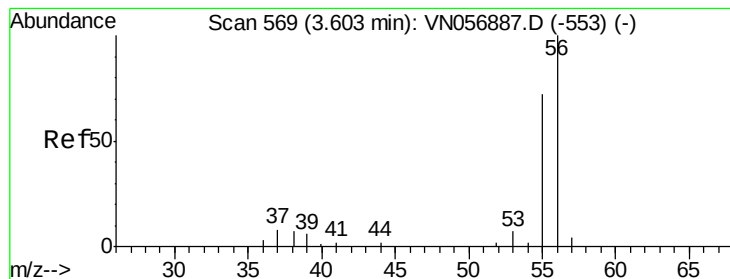
Tot Ion:142 Resp: 107109
Ion Ratio Lower Upper
142 100
127 39.1 19.6 58.8
141 15.1 7.2 21.6



#12
Methyl Acetate
Concen: 15.040 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 75827
Ion Ratio Lower Upper
43 100
74 24.0 18.1 27.1





#13

Acrolein

Concen: 130.751 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

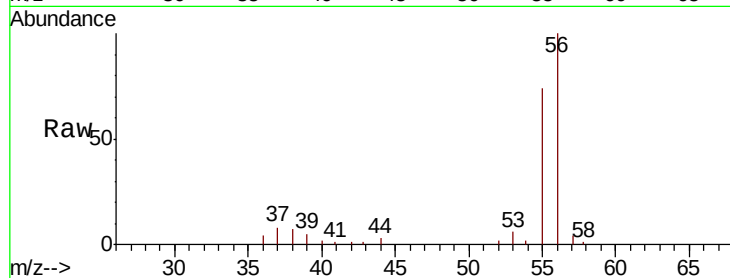
VN0801WBSD01

Tot Ion: 56 Resp: 74609

Ion Ratio Lower Upper

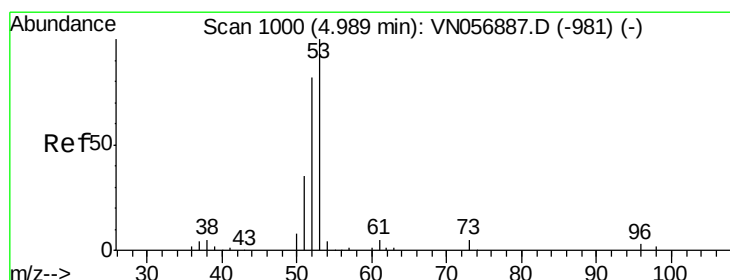
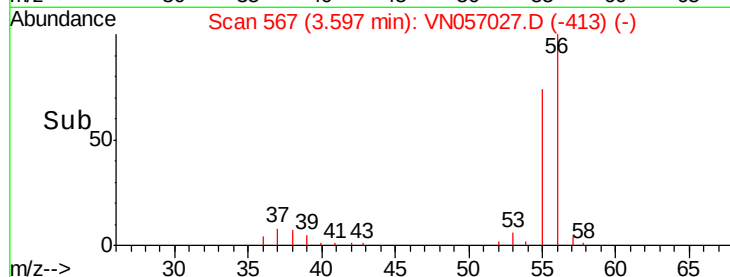
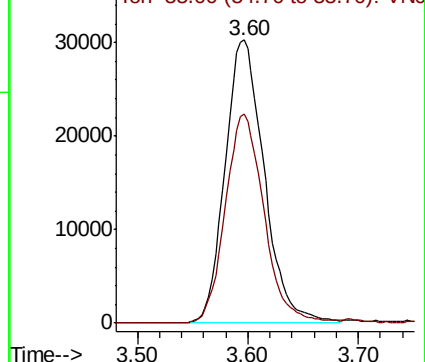
56 100

55 72.7 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 88.909 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

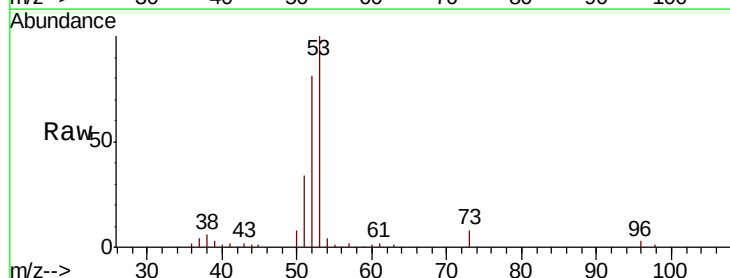
Tgt Ion: 53 Resp: 172880

Ion Ratio Lower Upper

53 100

52 82.0 40.8 122.5

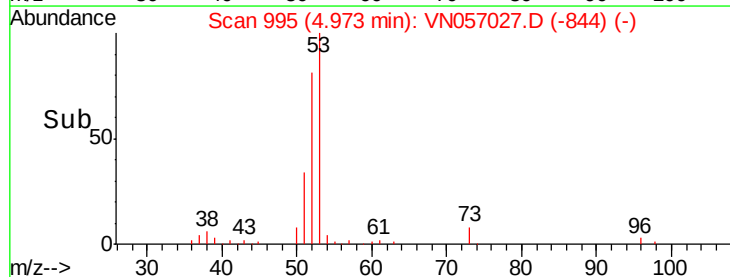
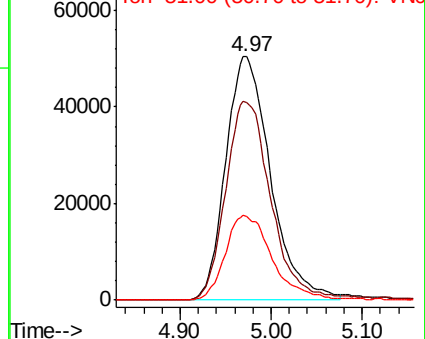
51 36.3 17.4 52.2

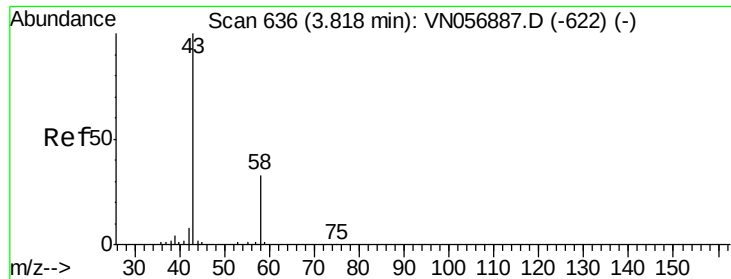


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.440 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

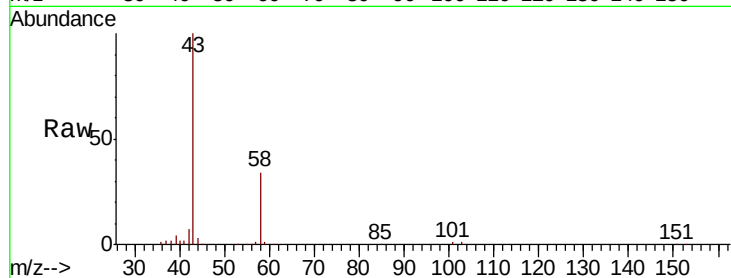
VN0801WBSD01

Tot Ion: 58 Resp: 51497

Ion Ratio Lower Upper

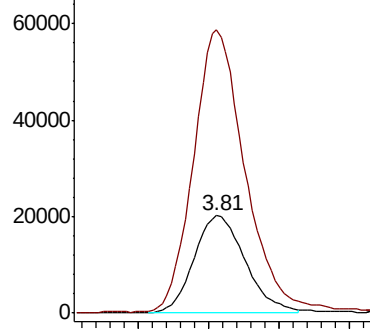
58 100

43 289.2 242.4 363.6

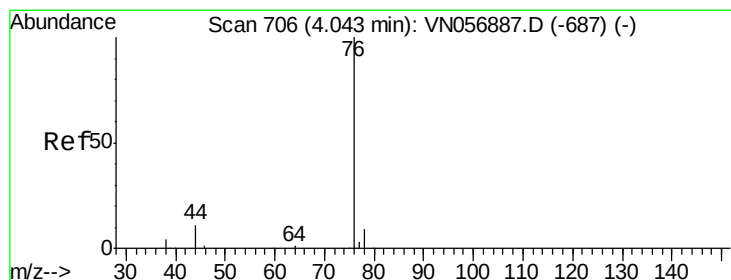
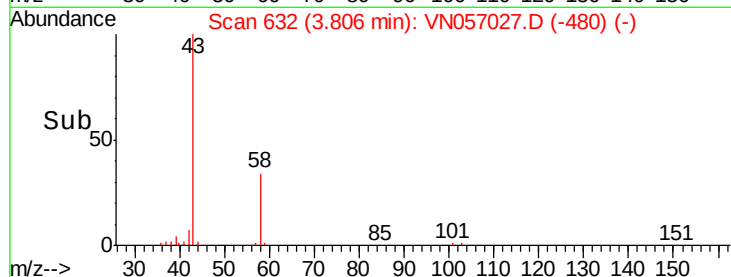


Abundance Ion 58.00 (57.70 to 58.70): VN056887.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-622) (-)



Time-->



#16

Carbon Disulfide

Concen: 18.261 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN057027.D

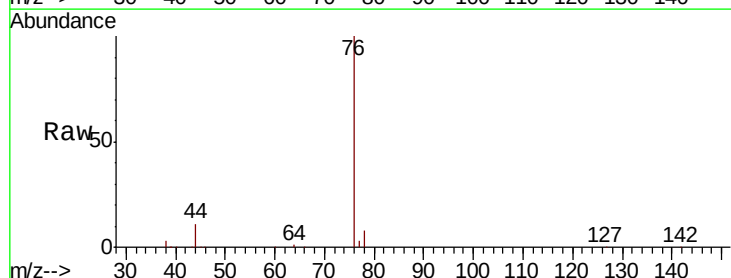
Acq: 1 Aug 2019 10:59

Tgt Ion: 76 Resp: 202856

Ion Ratio Lower Upper

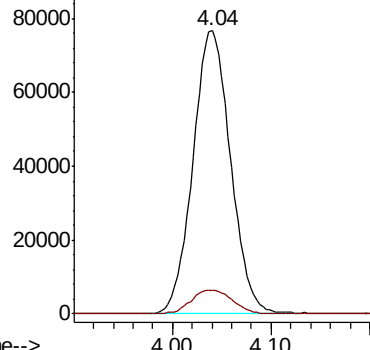
76 100

78 8.4 7.1 10.7

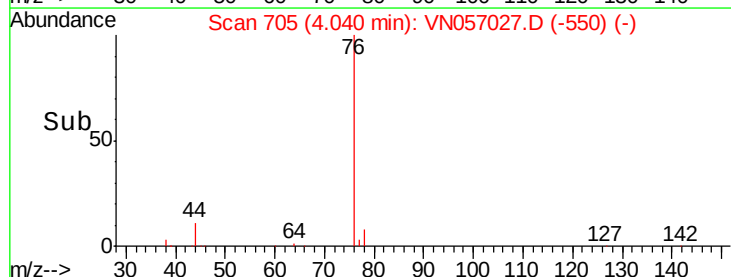


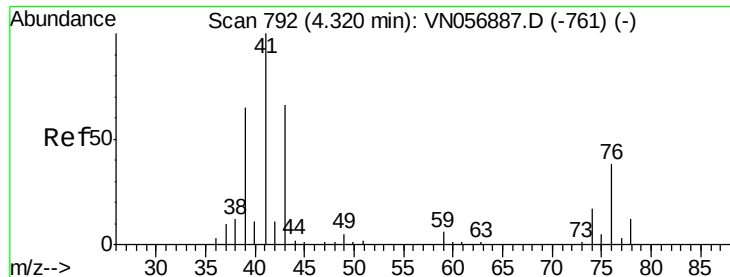
Abundance Ion 76.00 (75.70 to 76.70): VN056887.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN056887.D (-687) (-)



Time-->

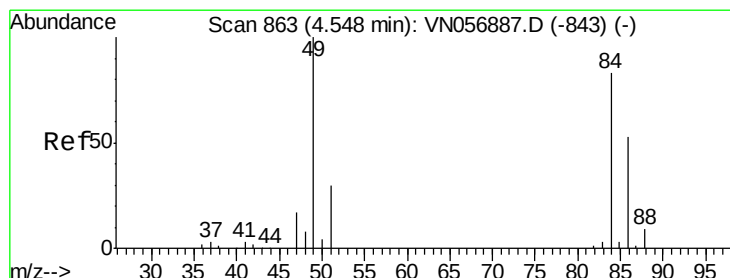
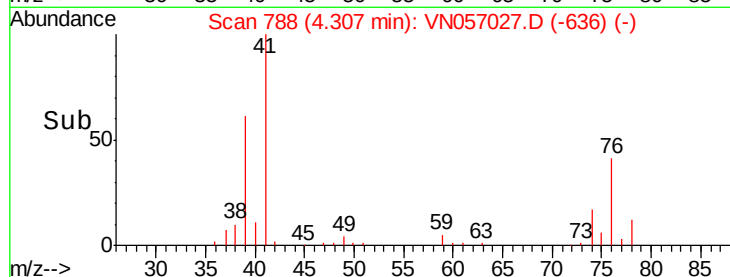
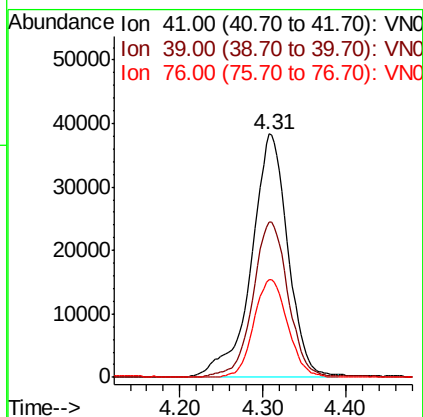
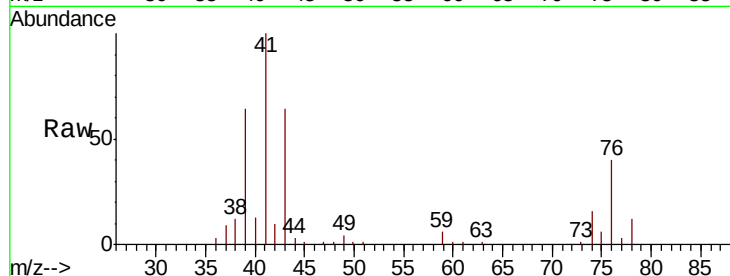




#17
Allvl chloride
Concen: 17.036 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

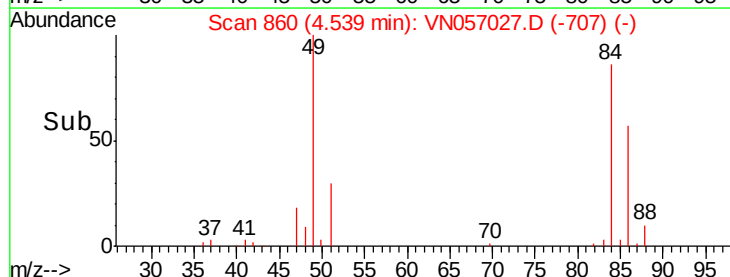
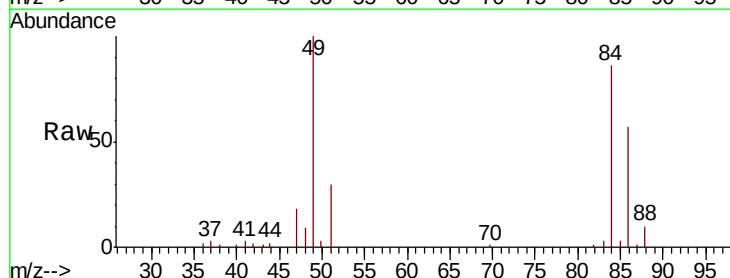
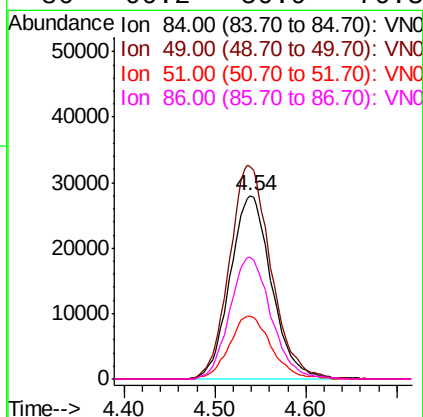
Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

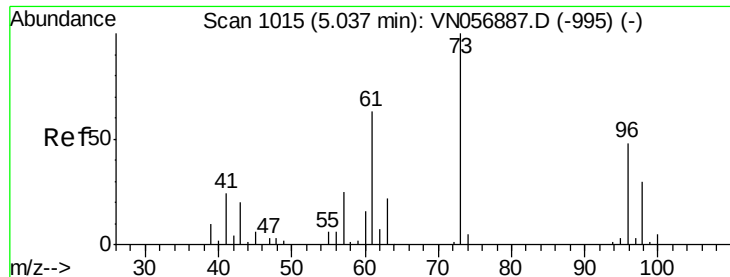
Tot Ion: 41 Resp: 117446
Ion Ratio Lower Upper
41 100
39 63.8 32.4 97.0
76 40.3 19.0 57.0



#18
Methylene Chloride
Concen: 18.466 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 84 Resp: 88547
Ion Ratio Lower Upper
84 100
49 115.8 96.3 144.5
51 34.4 28.8 43.2
86 66.2 50.9 76.3

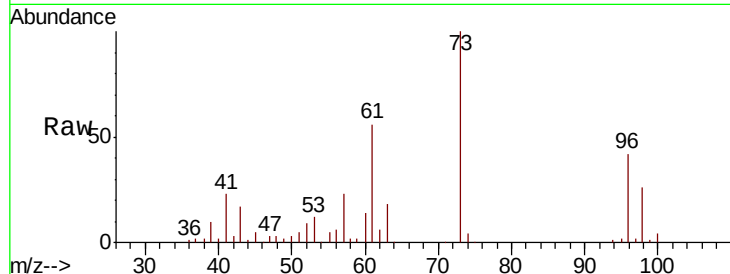




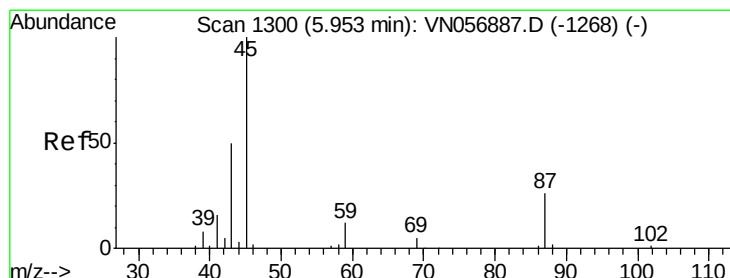
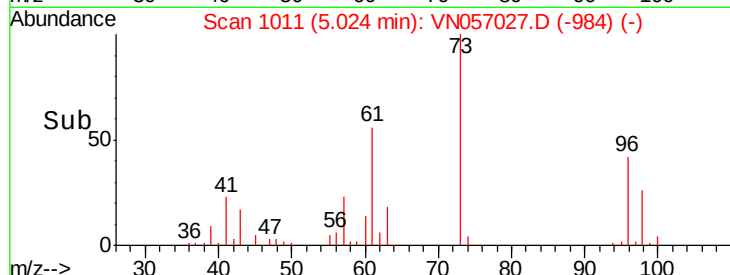
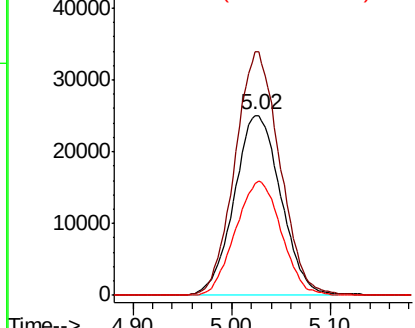
#19
trans-1,2-Dichloroethene
Concen: 18.871 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion: 96 Resp: 82276
Ion Ratio Lower Upper
96 100
61 135.3 105.4 158.0
98 61.9 50.8 76.2

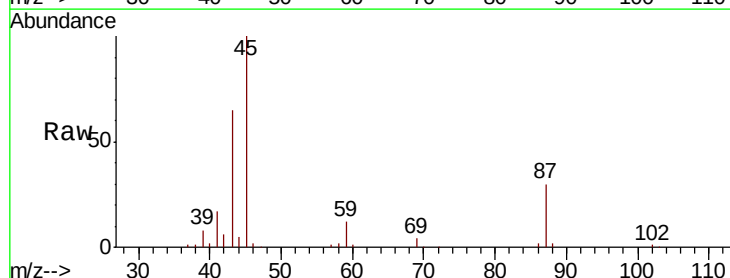


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

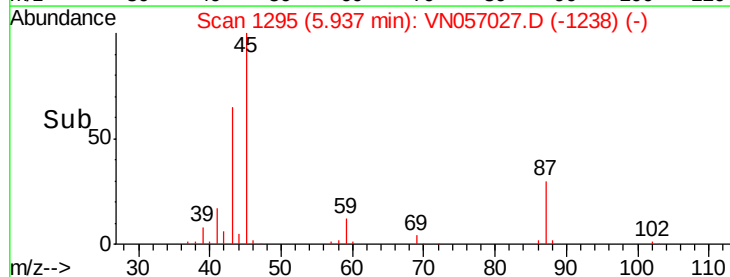
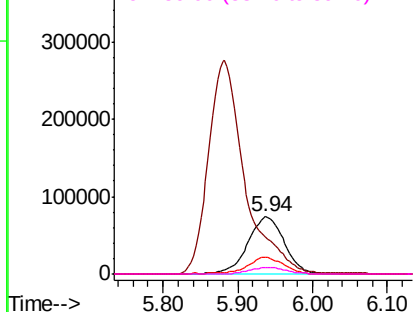


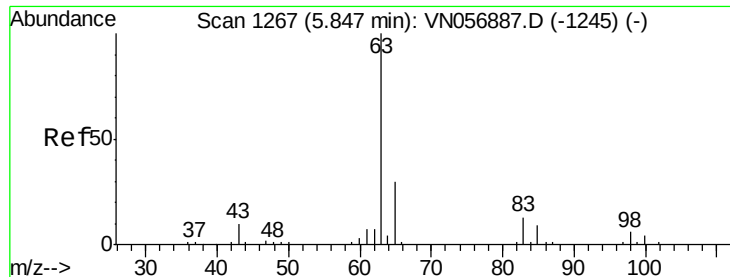
#20
Diisopropyl ether
Concen: 17.925 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 45 Resp: 250896
Ion Ratio Lower Upper
45 100
43 62.6 47.4 71.0
87 30.1 21.7 32.5
59 11.6 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.364 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

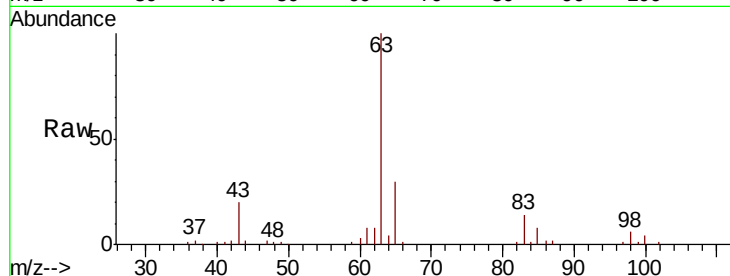
Tot Ion: 63 Resp: 149384

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

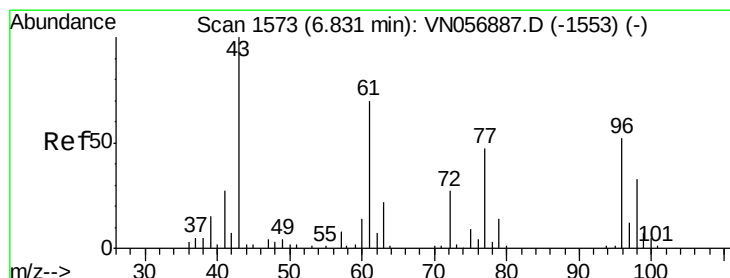
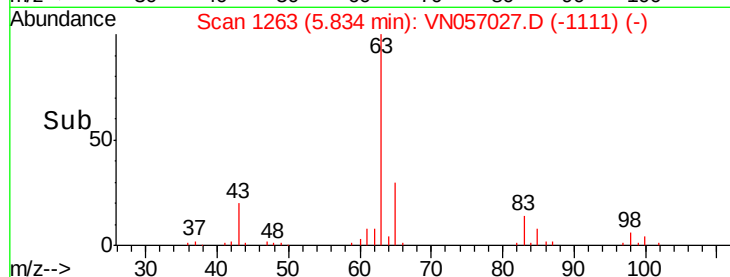
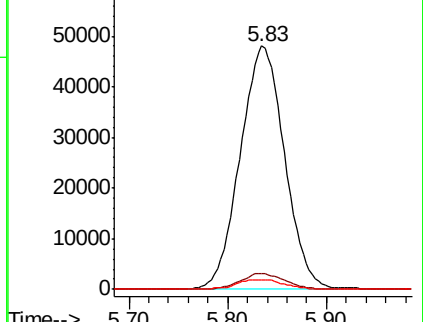
100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056887.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.508 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

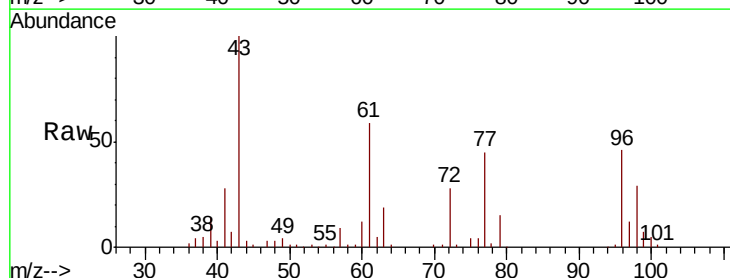
Tgt Ion: 96 Resp: 93526

Ion Ratio Lower Upper

96 100

61 137.5 111.6 167.4

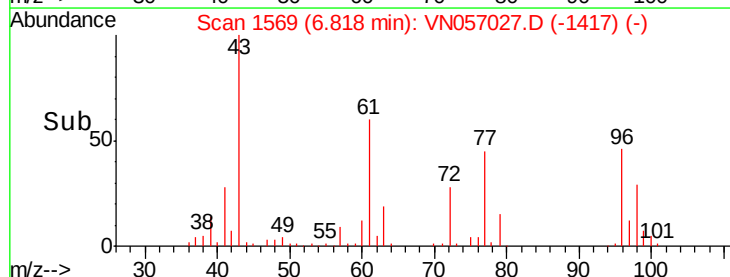
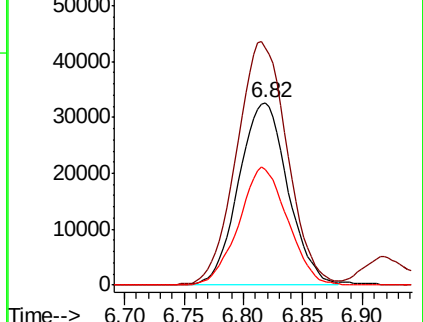
98 64.0 51.0 76.4

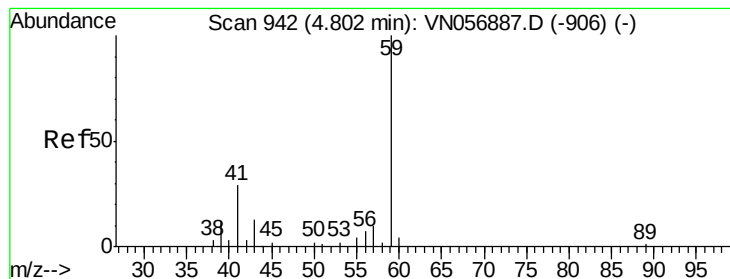


Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1553) (-)



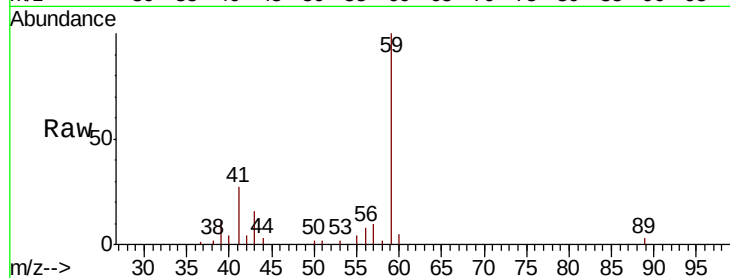


#23

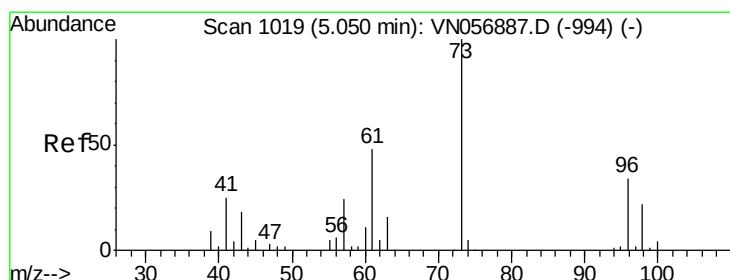
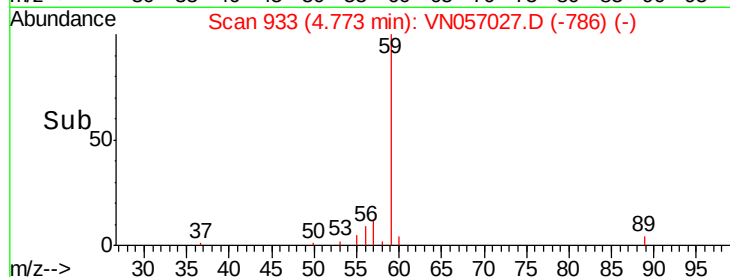
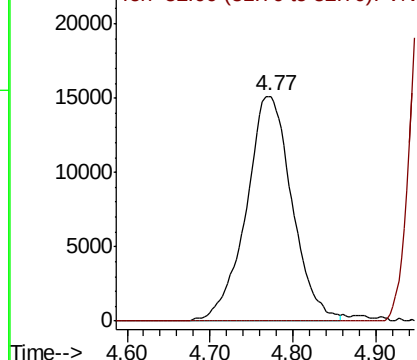
tert-Butyl Alcohol
 Concen: 89.489 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.03 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion: 59 Resp: 58069
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



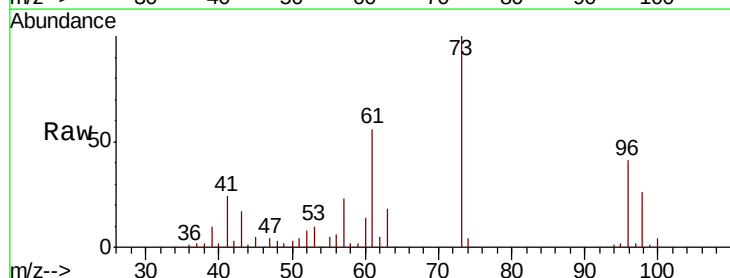
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



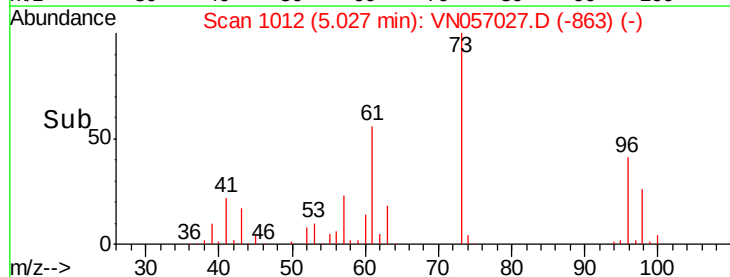
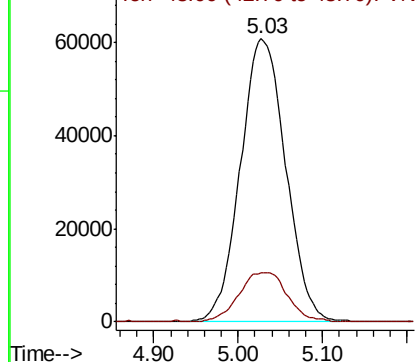
#24

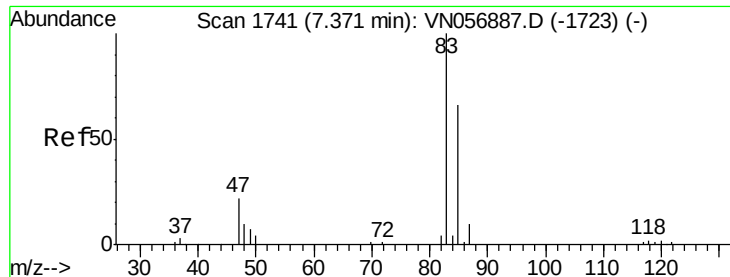
Methyl tert-Butyl Ether
 Concen: 18.240 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 73 Resp: 227189
 Ion Ratio Lower Upper
 73 100
 43 18.4 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

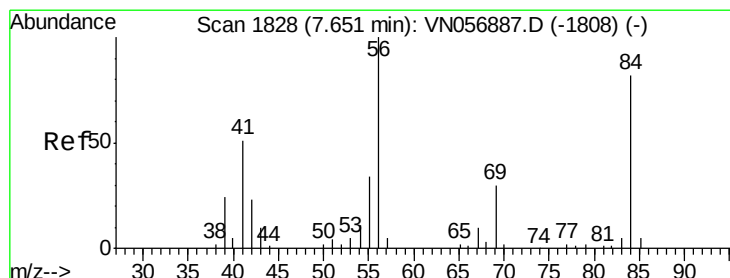
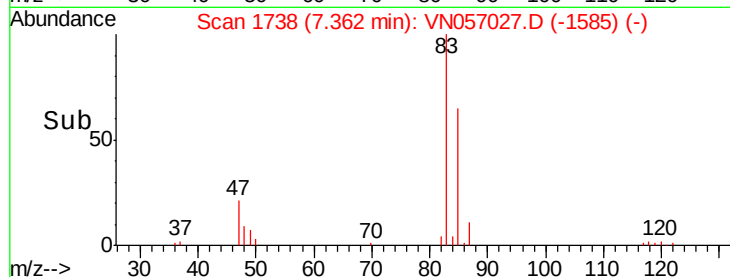
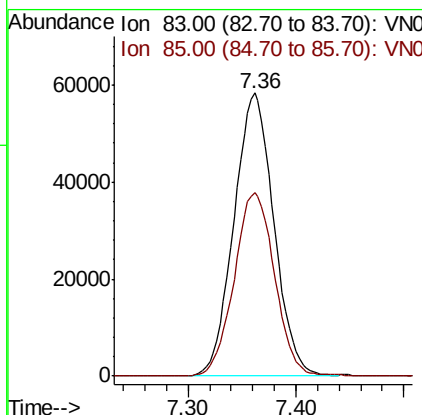
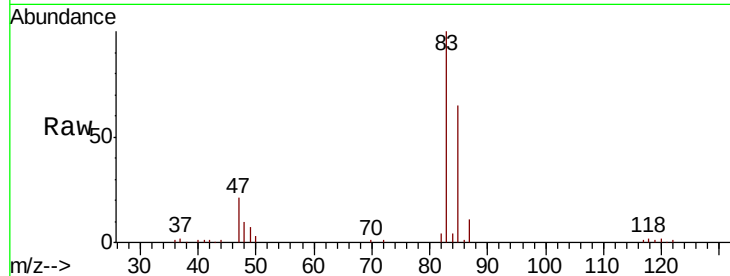




#25
Chloroform
Concen: 18.913 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

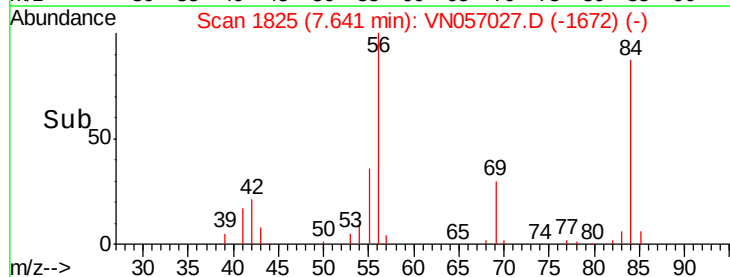
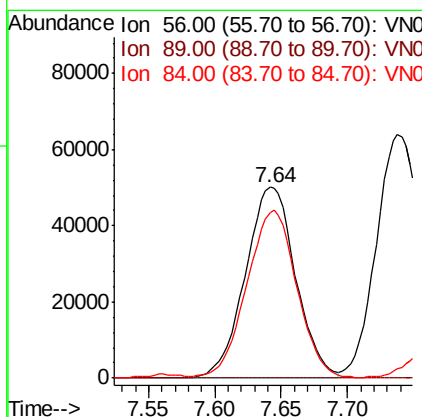
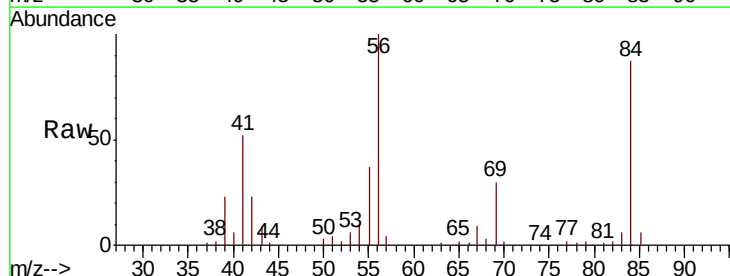
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

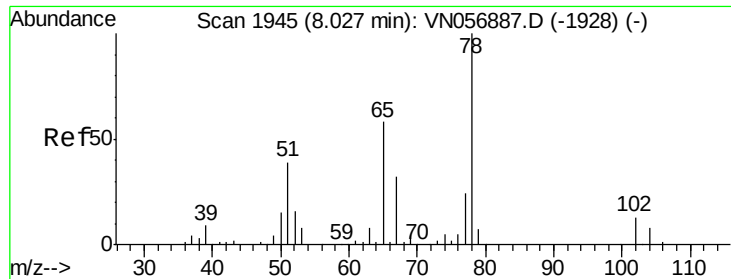
Tot Ion: 83 Resp: 150087
Ion Ratio Lower Upper
83 100
85 64.8 53.1 79.7



#26
Cyclohexane
Concen: 17.761 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 56 Resp: 132717
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.7 67.8 101.6

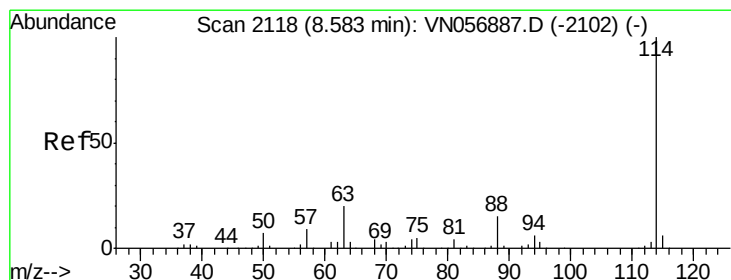
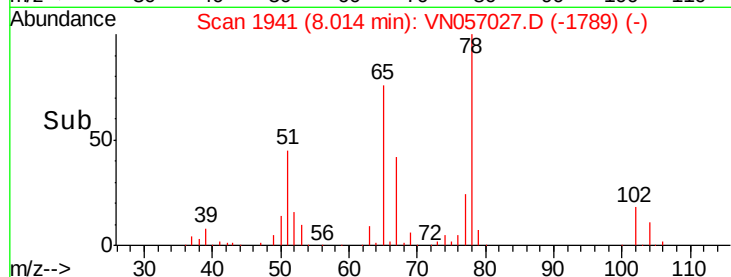
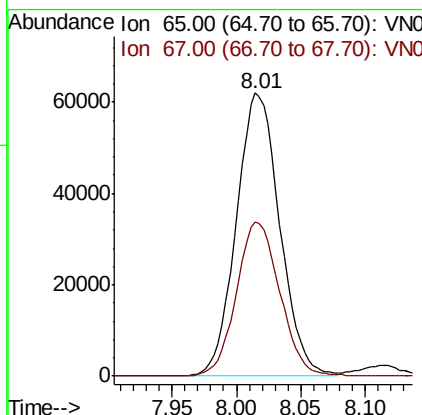
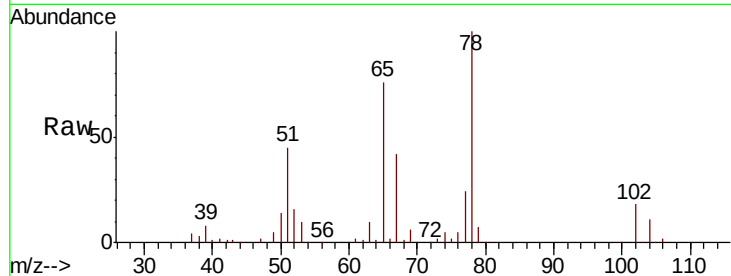




#27
 1,2-Dichloroethane-d4
 Concen: 28.798 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

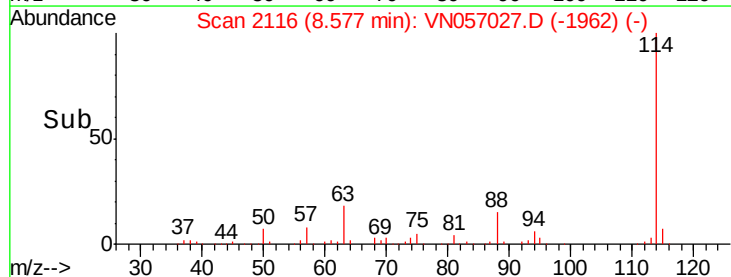
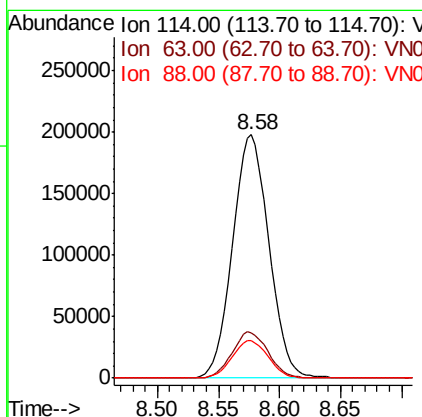
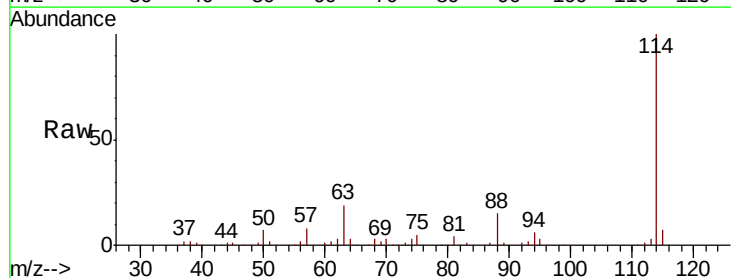
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

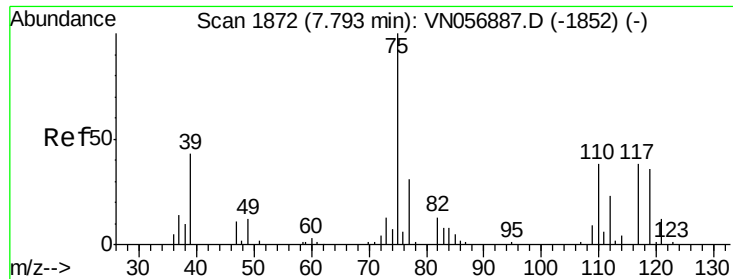
Tot Ion: 65 Resp: 145435
 Ion Ratio Lower Upper
 65 100
 67 54.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 114 Resp: 409268
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.8 23.6
 88 15.3 12.5 18.7

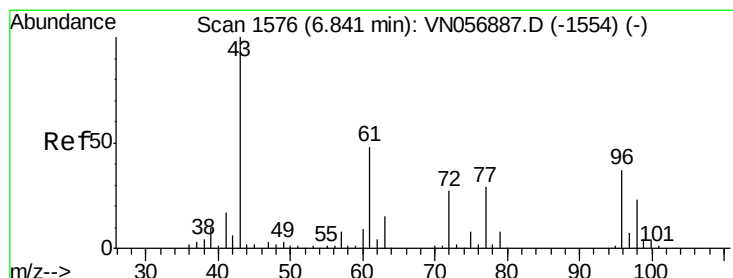
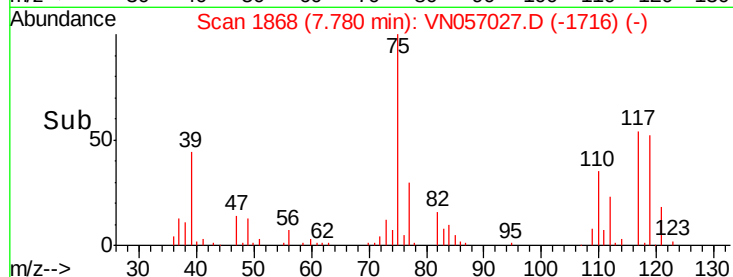
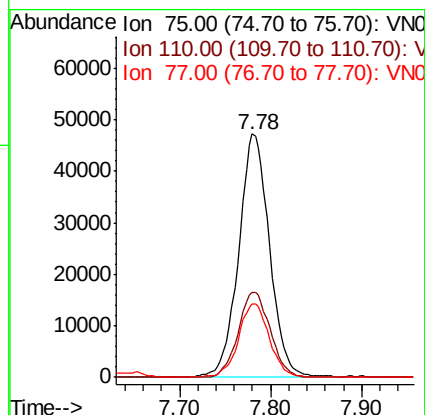
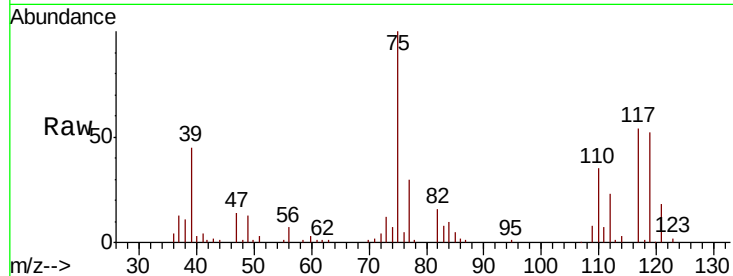




#29
 1,1-Dichloropropene
 Concen: 19.140 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

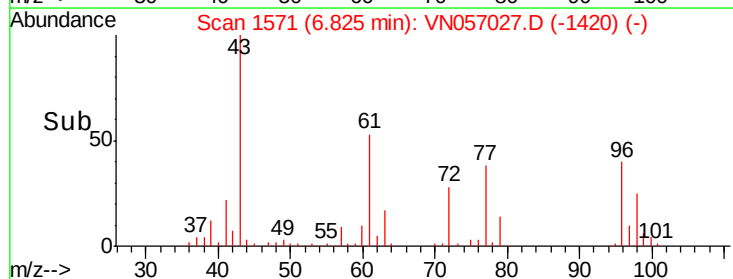
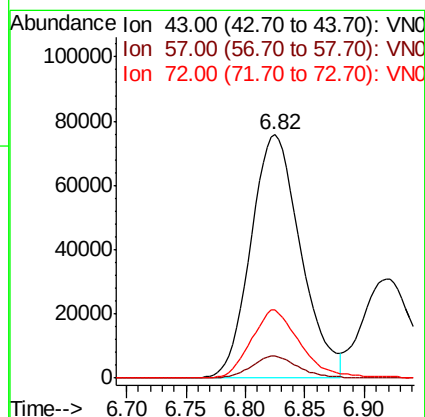
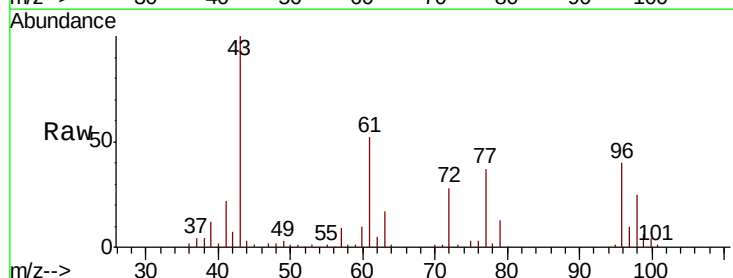
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

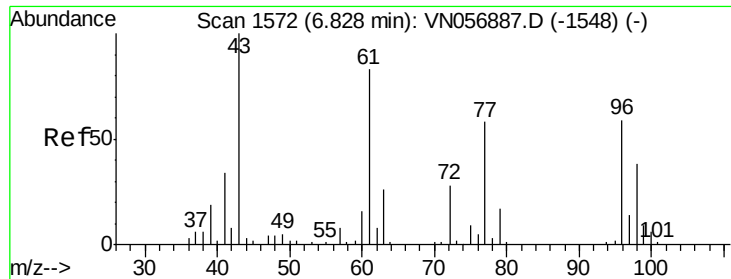
Tot Ion: 75 Resp: 111165
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 75.8
 77 30.0 0.0 64.0



#30
 2-Butanone
 Concen: 94.244 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 219908
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.5 9.7
 72 27.4 22.1 33.1

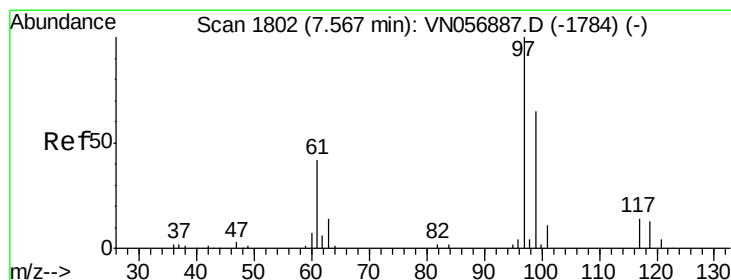
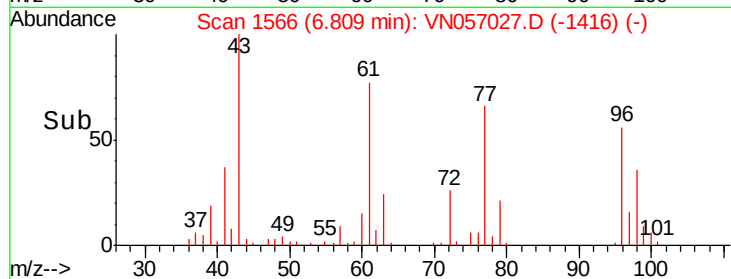
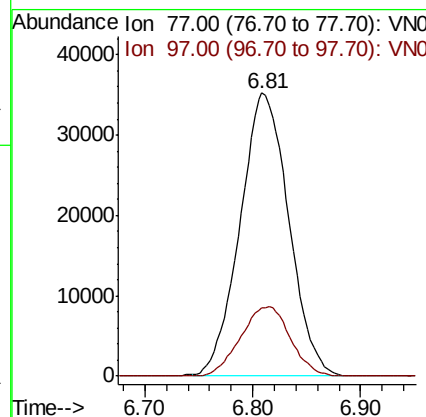
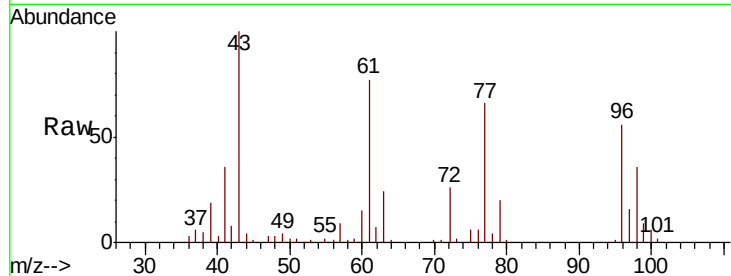




#31
 2,2-Dichloropropane
 Concen: 20.505 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

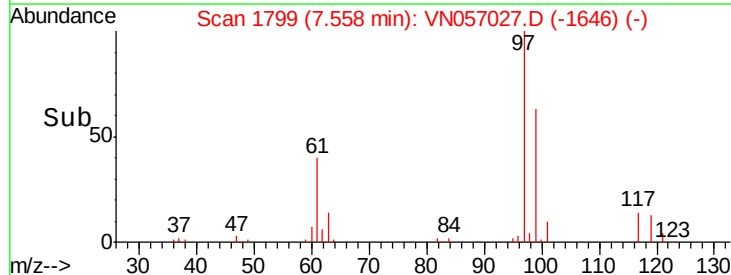
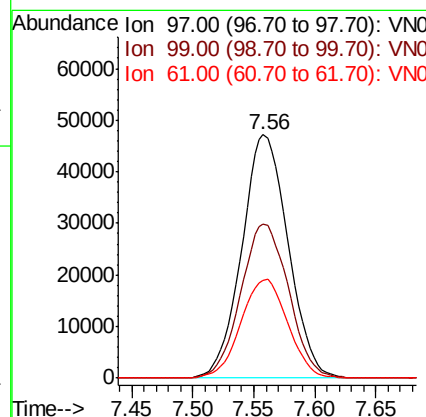
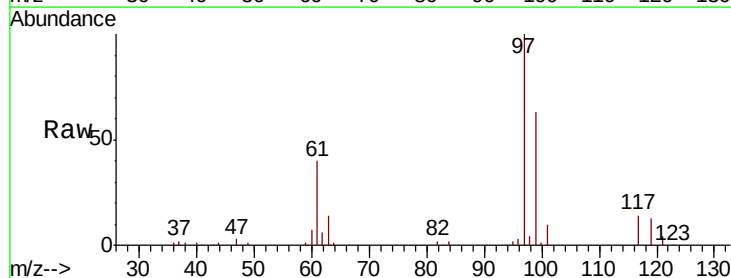
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

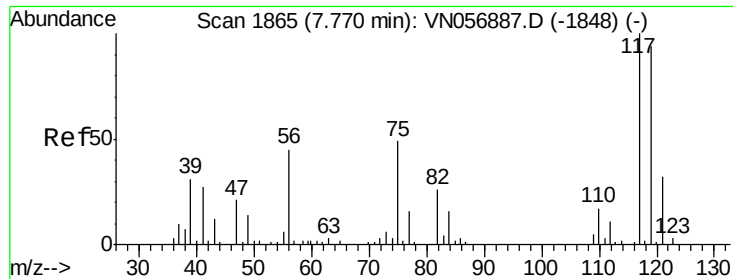
Tot Ion: 77 Resp: 110513
 Ion Ratio Lower Upper
 77 100
 97 25.0 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 19.421 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 97 Resp: 123932
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.3 78.5
 61 41.1 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.246 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

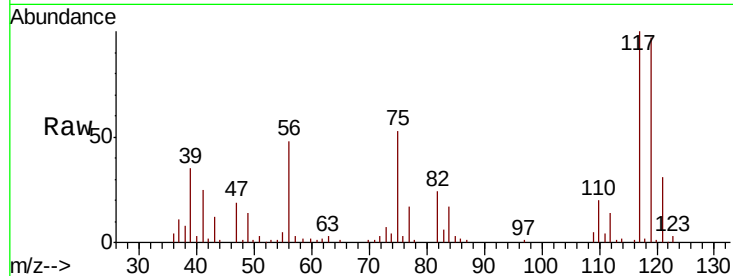
Tot Ion:117 Resp: 107195

Ion Ratio Lower Upper

117 100

119 97.3 75.1 112.7

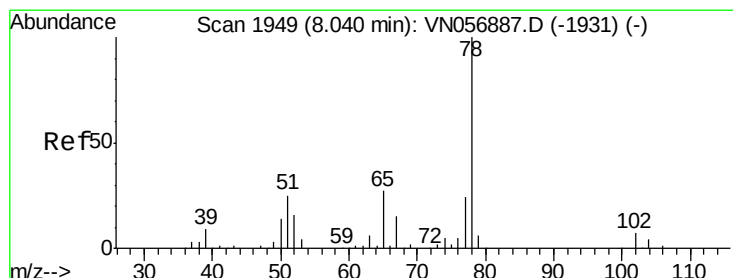
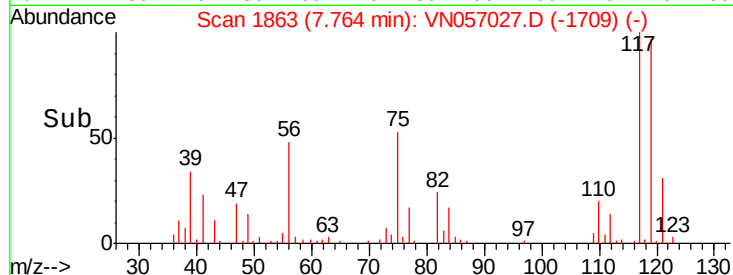
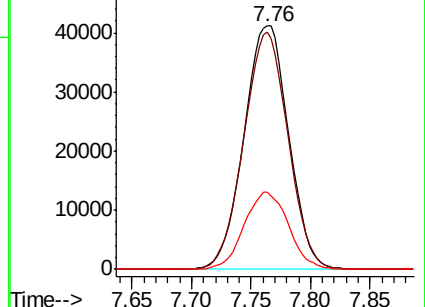
121 31.5 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.761 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

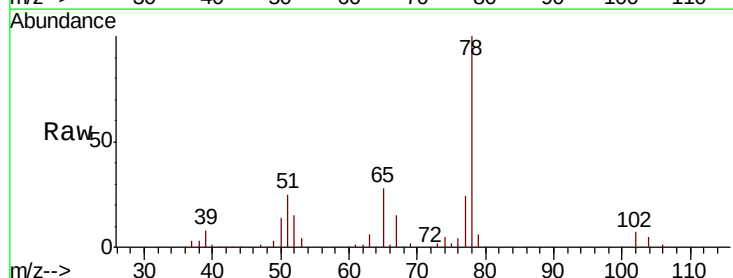
Tgt Ion: 78 Resp: 343324

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.2

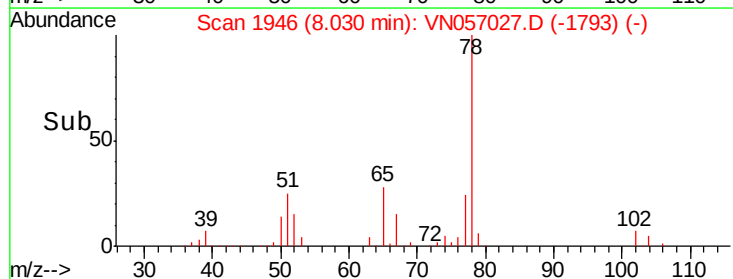
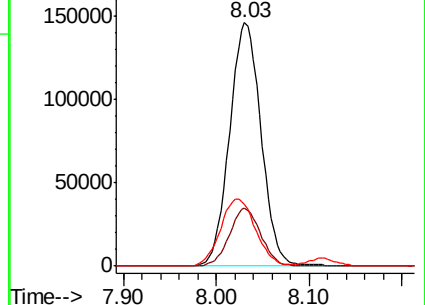
51 25.1 20.4 30.6

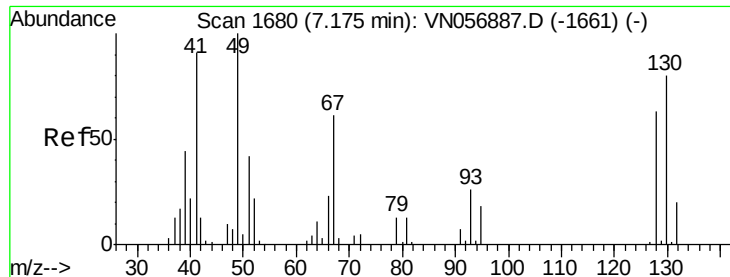


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

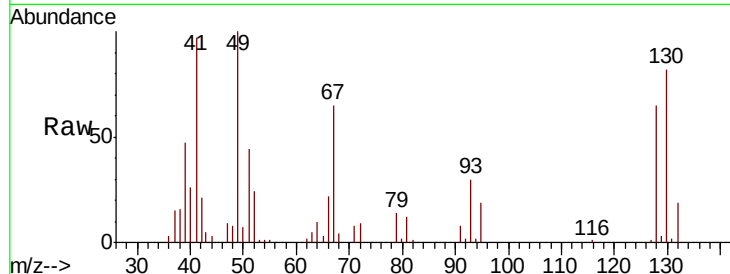




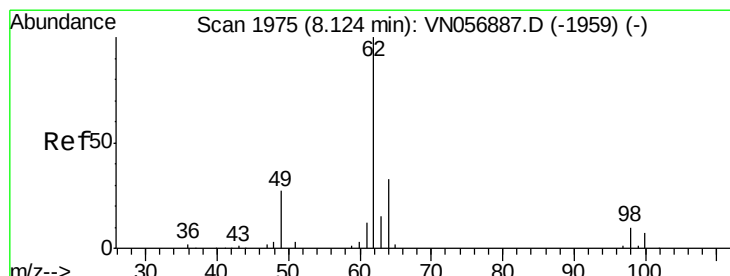
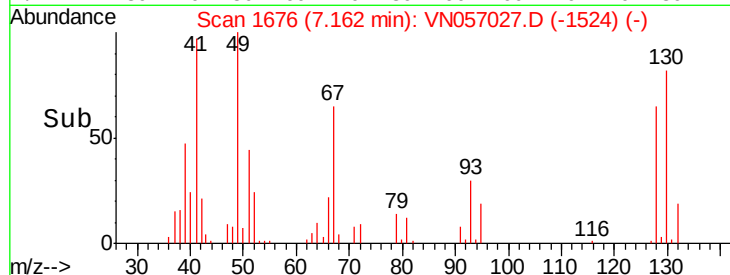
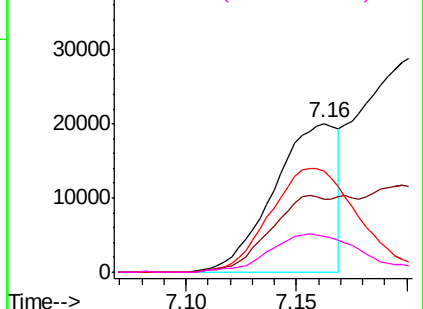
#35
Methacrylonitrile
Concen: 17.319 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion: 41 Resp: 40359
Ion Ratio Lower Upper
41 100
39 48.6 24.4 73.2
67 67.5 33.4 100.1
52 24.4 12.1 36.3

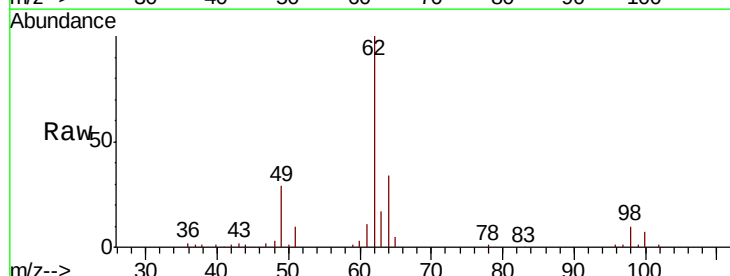


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

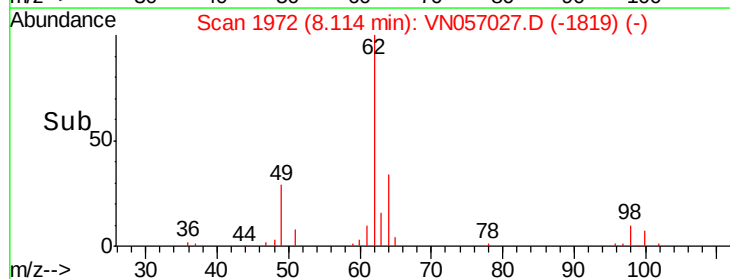
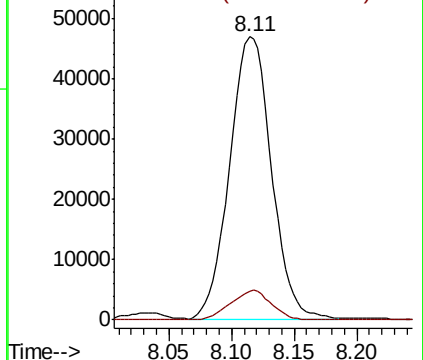


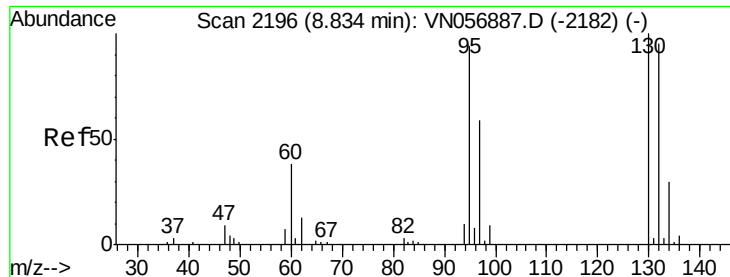
#36
1,2-Dichloroethane
Concen: 19.096 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 62 Resp: 108637
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 18.829 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

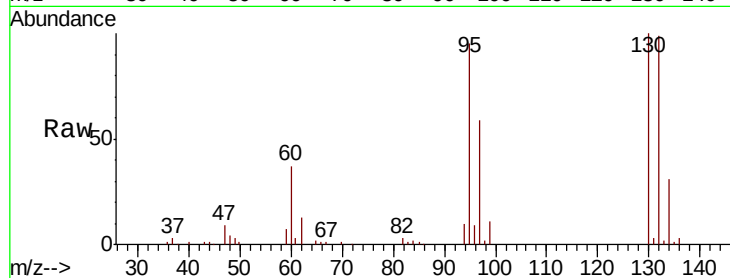
VN0801WBSD01

Tot Ion:130 Resp: 92377

Ion Ratio Lower Upper

130 100

95 95.4 74.9 112.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

50000

40000

30000

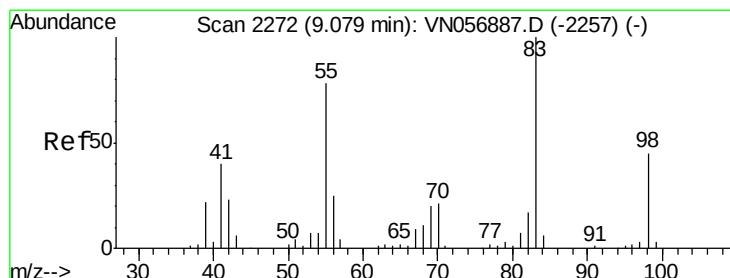
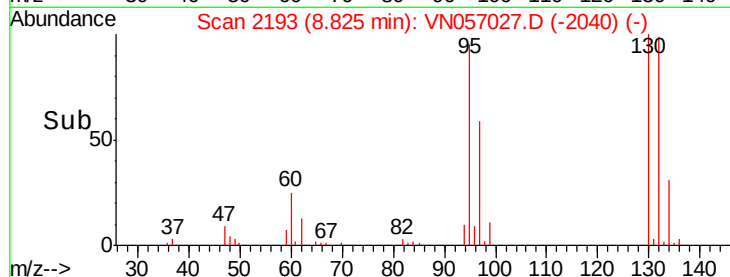
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.082 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

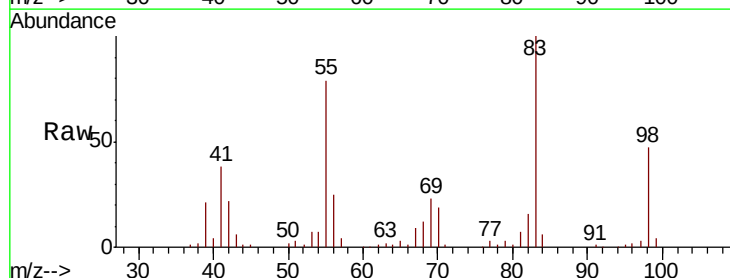
Tgt Ion: 83 Resp: 133595

Ion Ratio Lower Upper

83 100

55 76.6 38.4 115.1

98 46.7 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

80000

60000

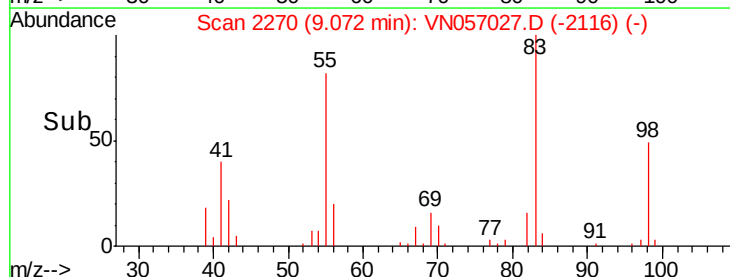
40000

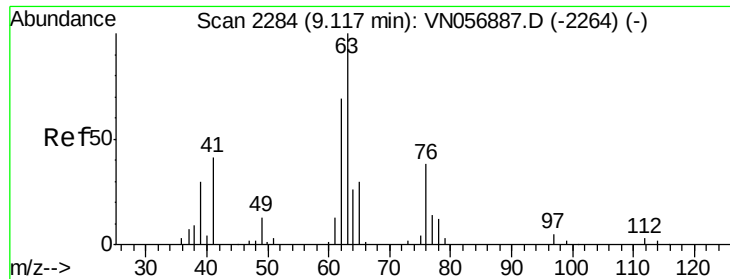
20000

0

9.00 9.05 9.10 9.15

Time-->

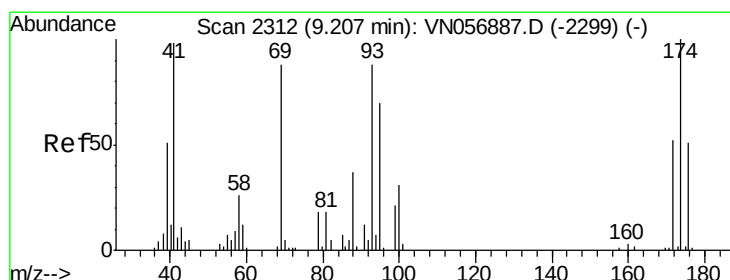
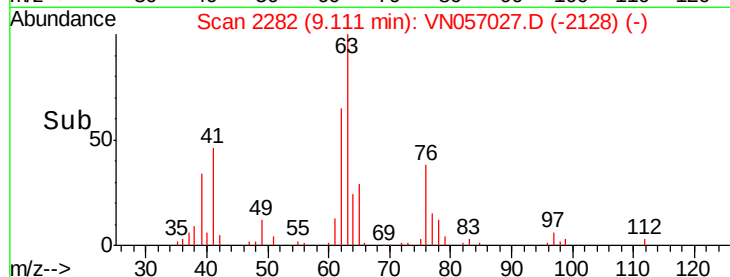
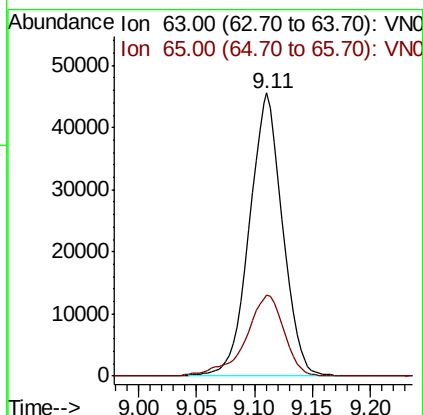
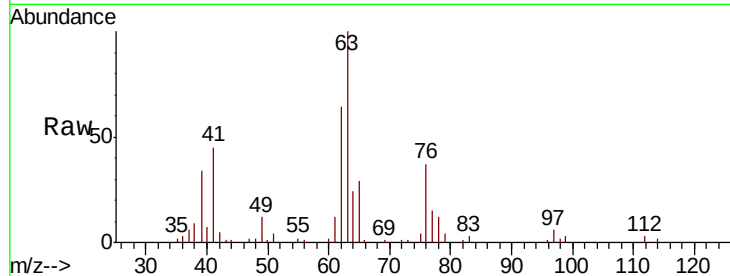




#39
 1,2-Dichloropropane
 Concen: 18.609 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

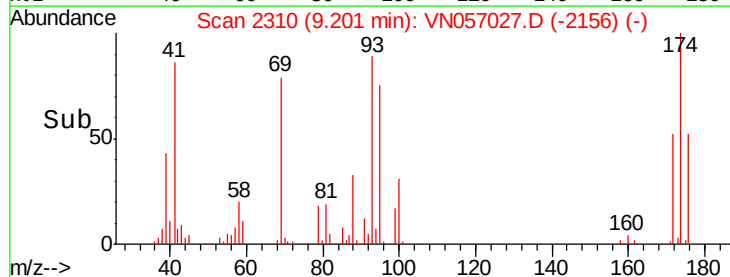
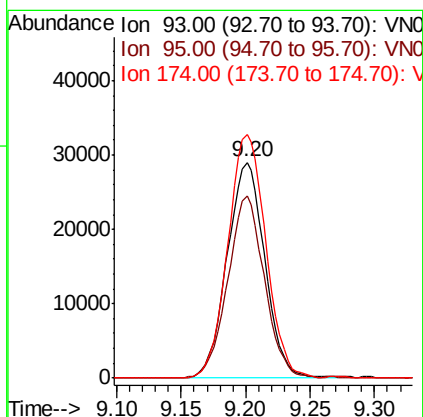
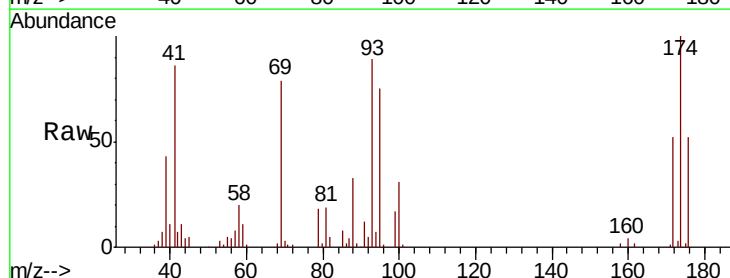
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

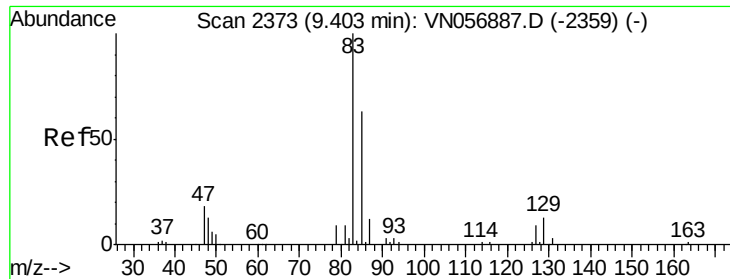
Tot Ion: 63 Resp: 90902
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.6 36.8



#40
 Dibromomethane
 Concen: 19.643 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 93 Resp: 58861
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 165.8
 174 113.6 0.0 232.4





#41

Bromodichloromethane

Concen: 18.998 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

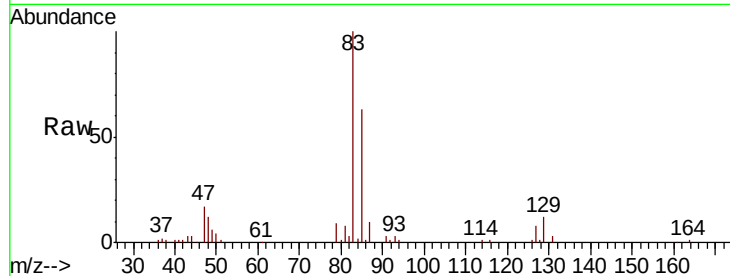
Tot Ion: 83 Resp: 109392

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8

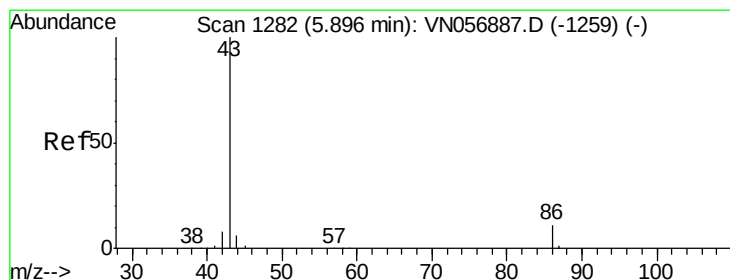
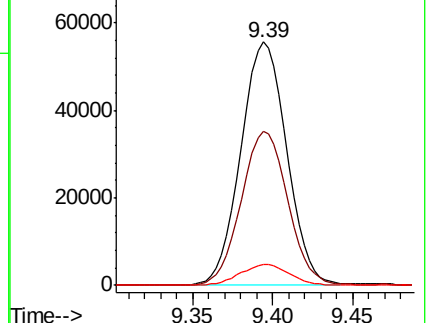
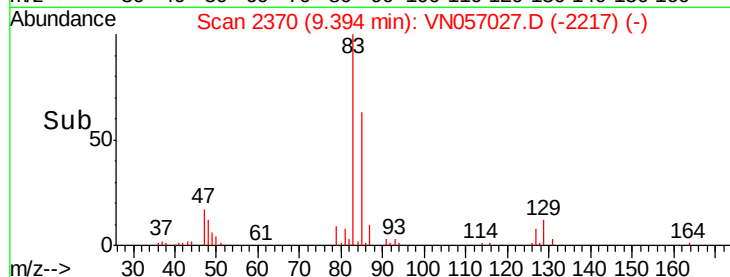
127 8.4 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 89.707 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VN057027.D

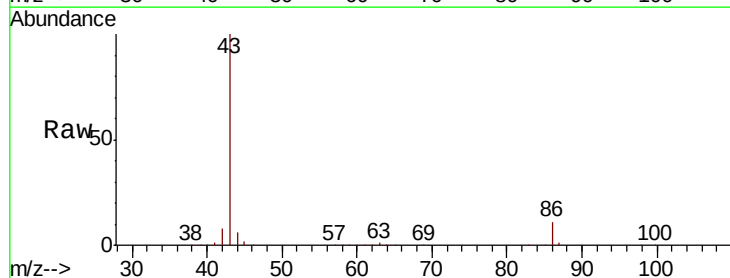
Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 932184

Ion Ratio Lower Upper

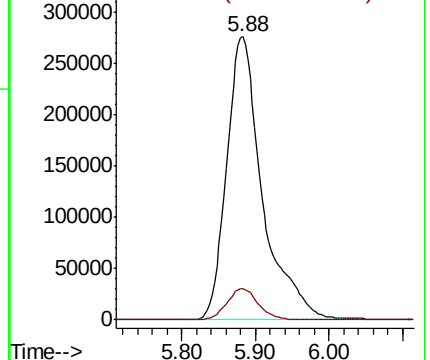
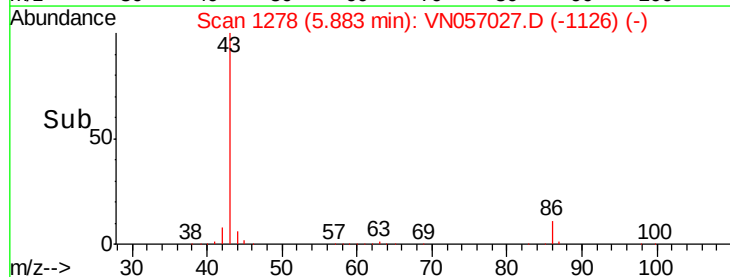
43 100

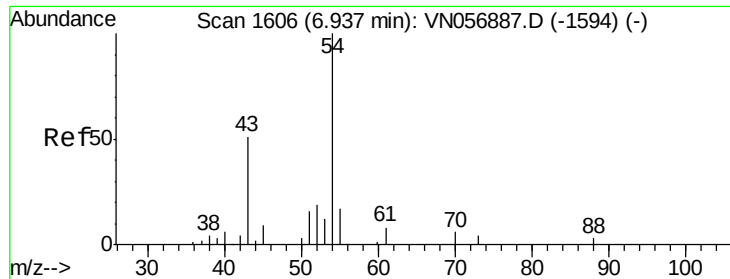
86 9.7 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

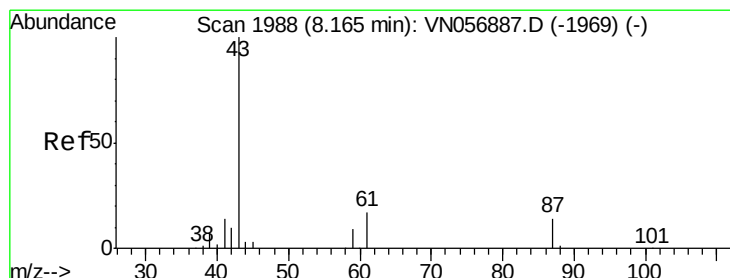
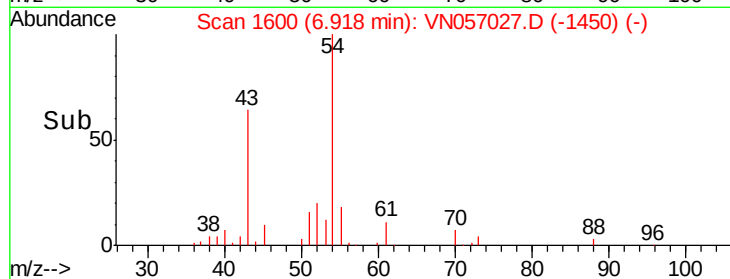
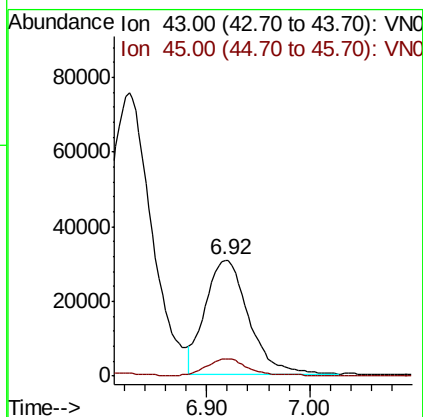
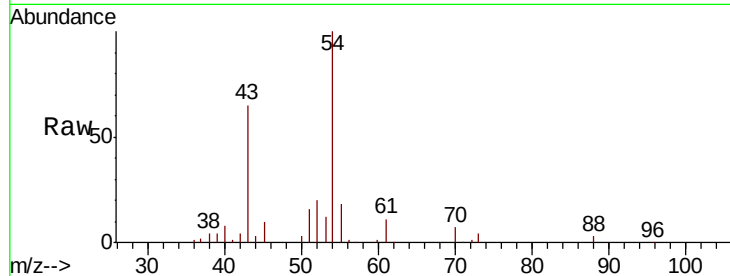




#43
Ethyl Acetate
Concen: 18.780 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

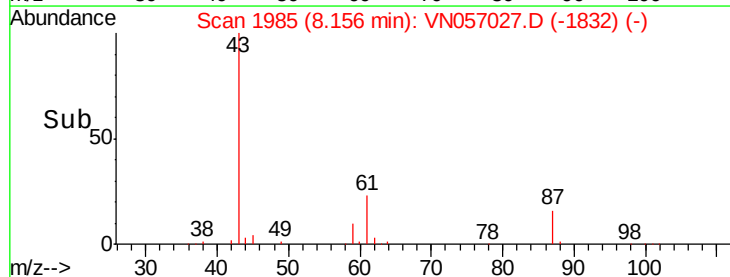
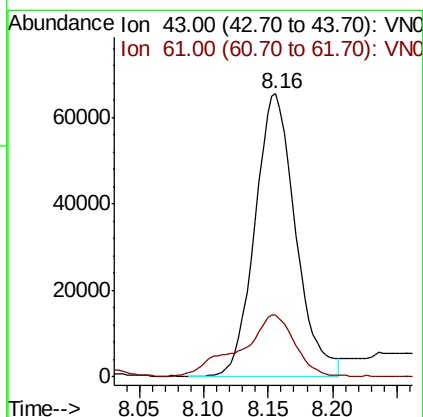
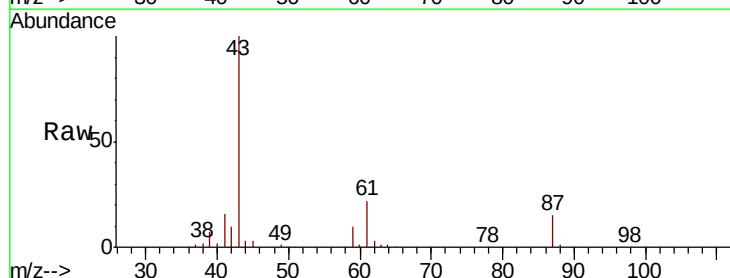
Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

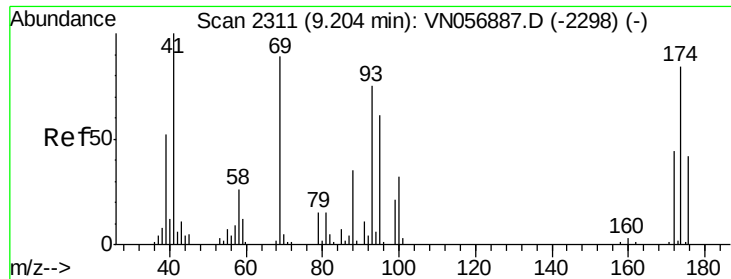
Tot Ion: 43 Resp: 89836
Ion Ratio Lower Upper
43 100
45 14.6 10.2 15.2



#44
Isopropyl Acetate
Concen: 18.128 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 144543
Ion Ratio Lower Upper
43 100
61 28.6 23.0 34.4

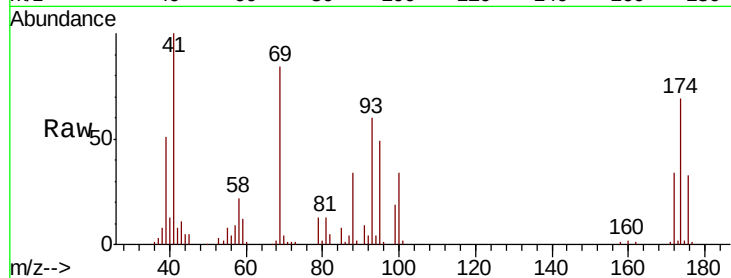




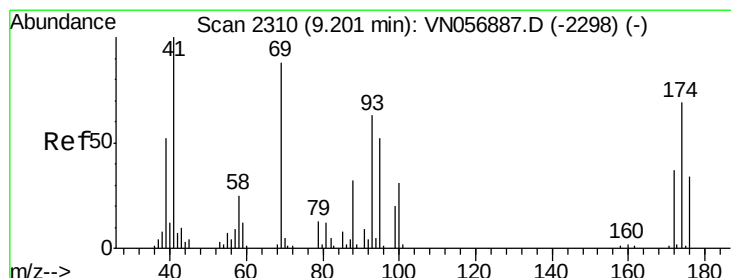
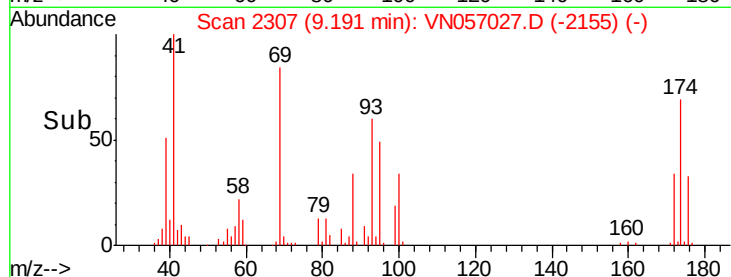
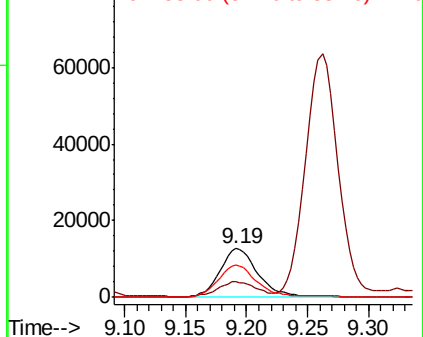
#45
 1,4-Dioxane
 Concen: 370.356 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion: 88 Resp: 28113
 Ion Ratio Lower Upper
 88 100
 43 29.7 23.4 35.0
 58 65.3 58.5 87.7

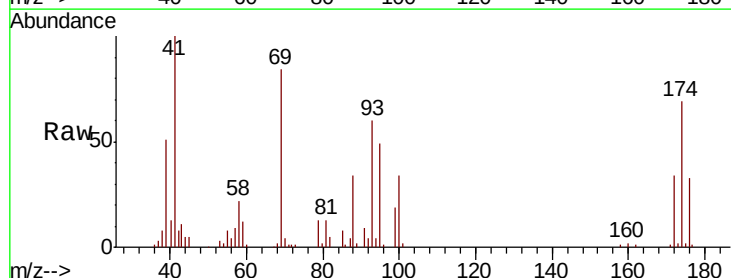


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

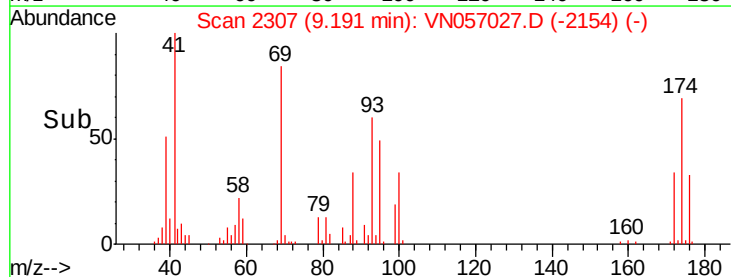
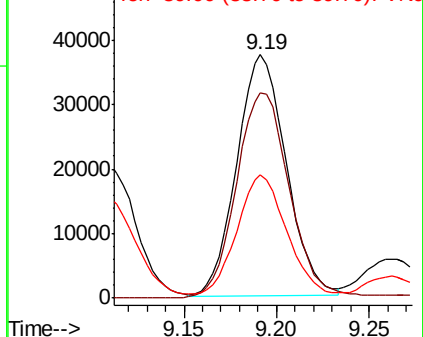


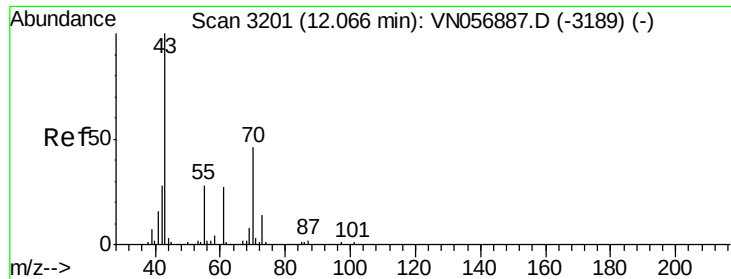
#46
 Methyl methacrylate
 Concen: 17.499 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 41 Resp: 69608
 Ion Ratio Lower Upper
 41 100
 69 84.8 44.0 132.0
 39 49.6 25.8 77.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 16.196 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

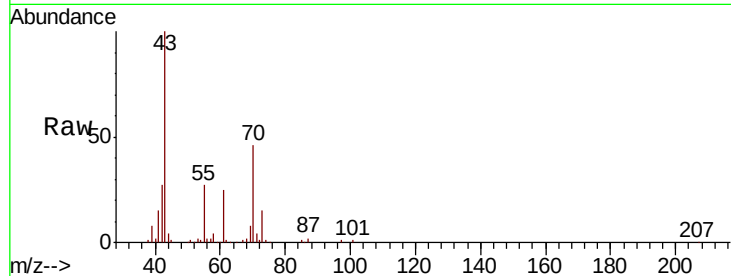
VN0801WBSD01

Tot Ion: 43 Resp: 103376

Ion Ratio Lower Upper

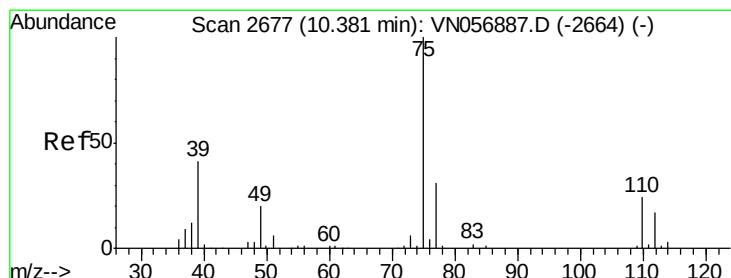
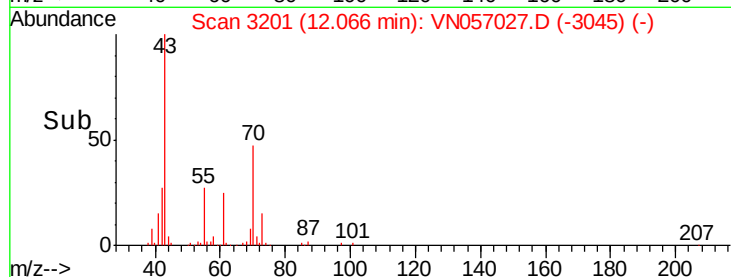
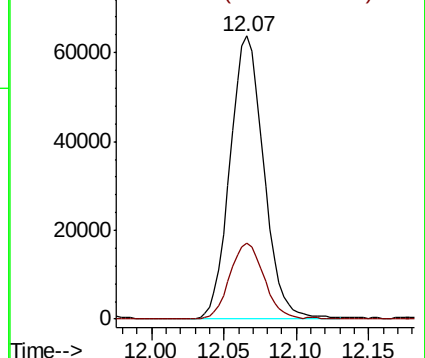
43 100

55 27.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.313 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057027.D

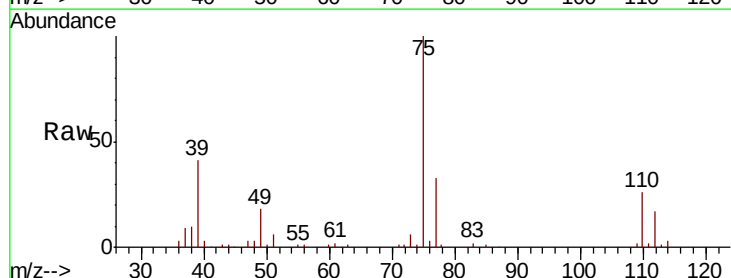
Acq: 1 Aug 2019 10:59

Tgt Ion: 75 Resp: 109730

Ion Ratio Lower Upper

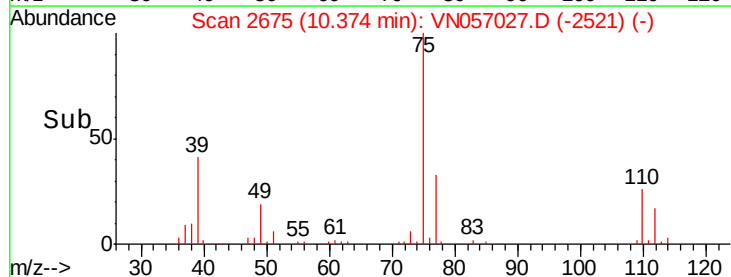
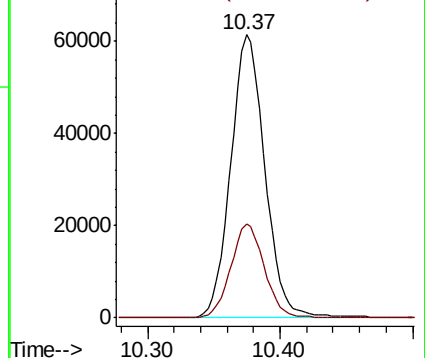
75 100

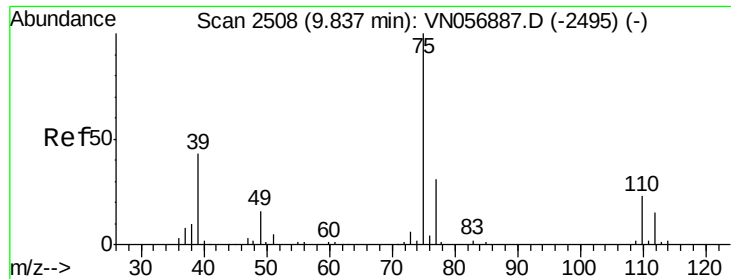
77 32.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



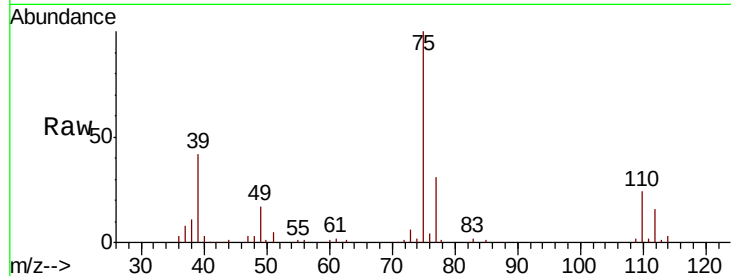


#49

cis-1,3-Dichloropropene
 Concen: 18.586 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	42.2	34.2	51.4

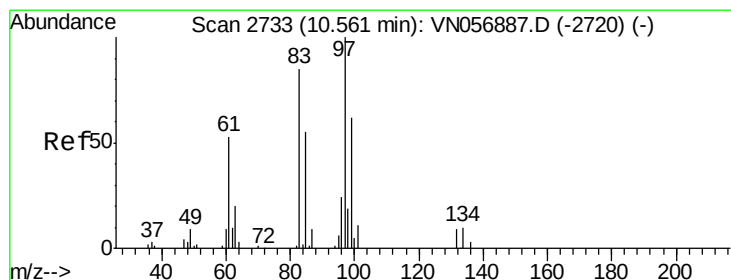
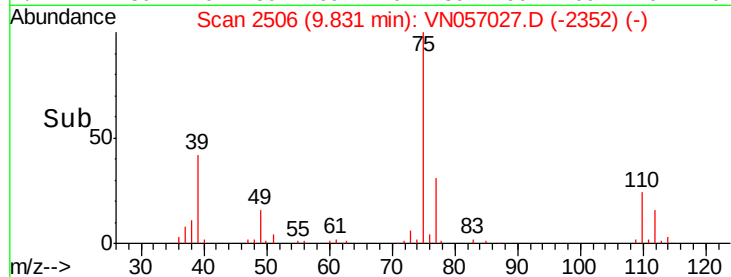
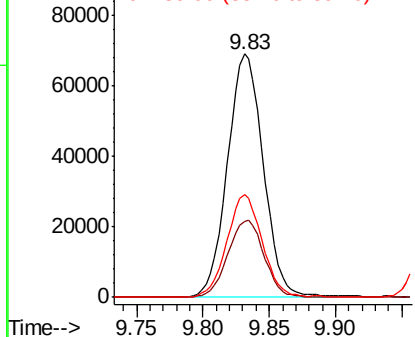


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 19.310 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.4	102.6
85	57.5	44.3	66.5
99	63.5	49.4	74.2

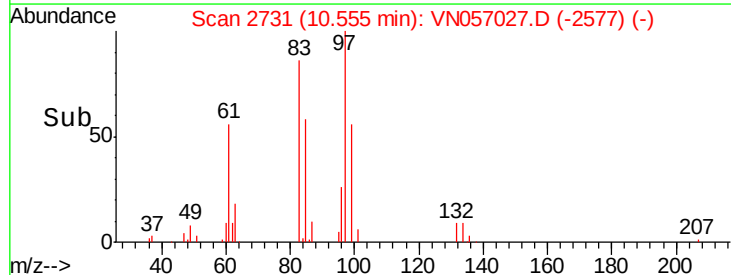
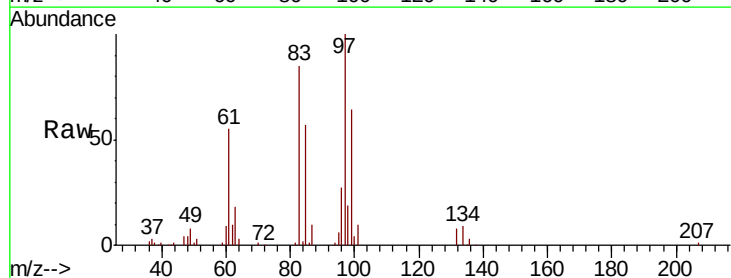
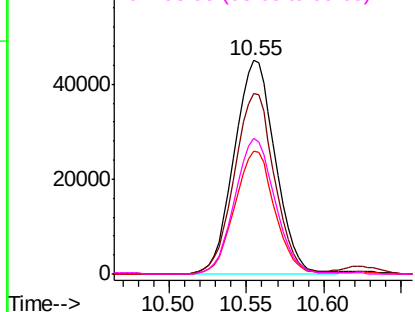
Abundance

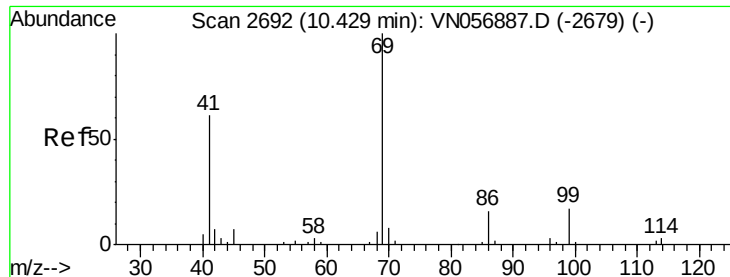
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 17.788 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

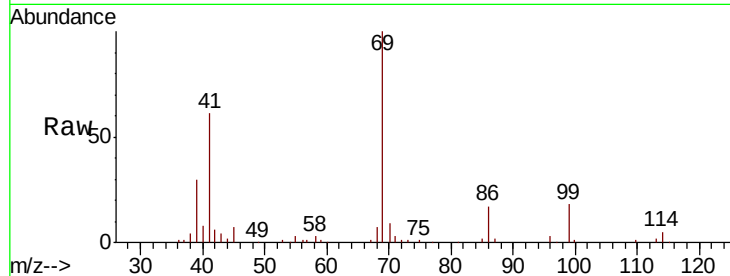
Tot Ion: 69 Resp: 110694

Ion Ratio Lower Upper

69 100

41 61.1 30.4 91.3

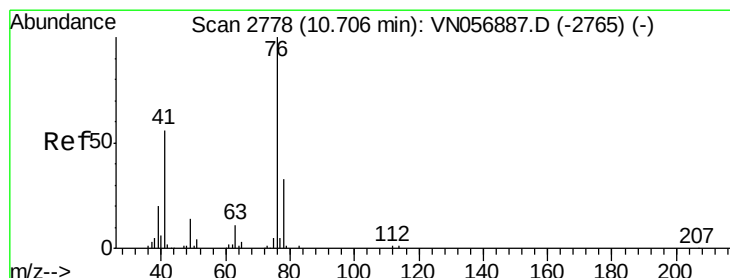
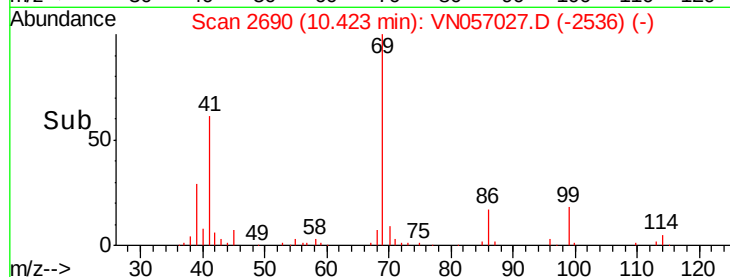
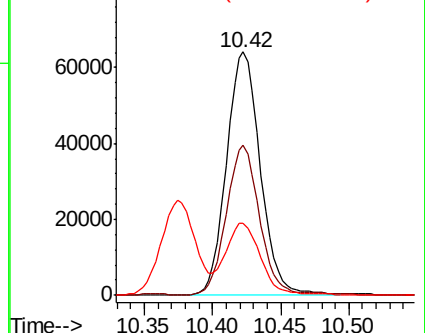
39 29.6 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.861 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN057027.D

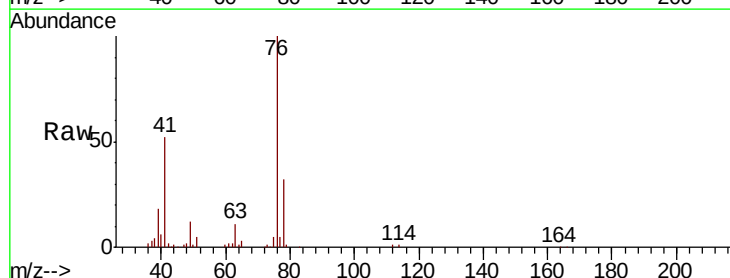
Acq: 1 Aug 2019 10:59

Tgt Ion: 76 Resp: 136950

Ion Ratio Lower Upper

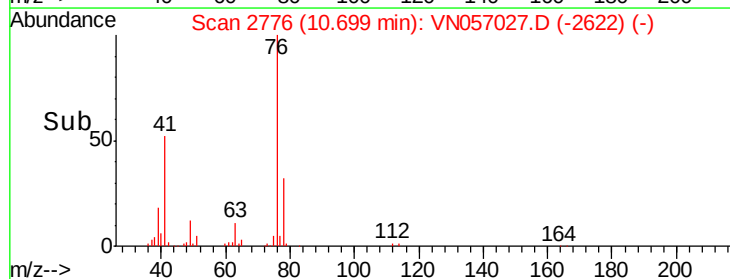
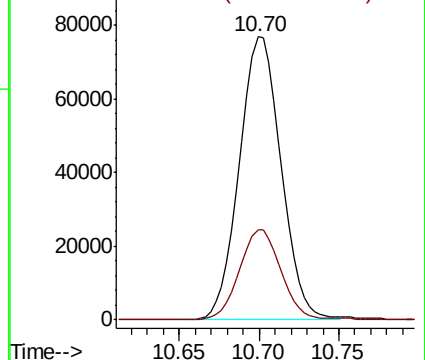
76 100

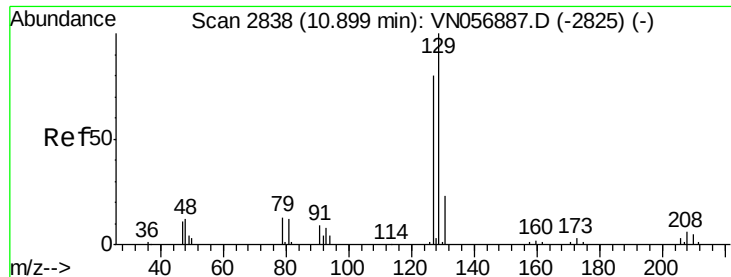
78 31.5 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.914 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

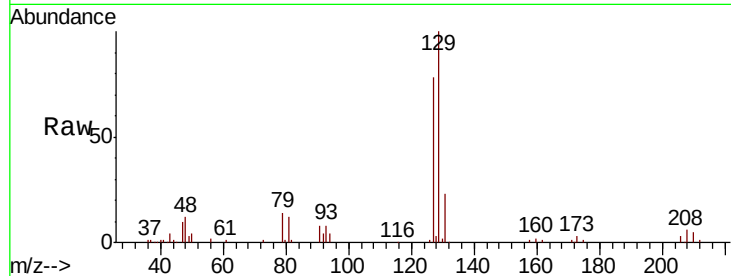
VN0801WBSD01

Tot Ion:129 Resp: 84583

Ion Ratio Lower Upper

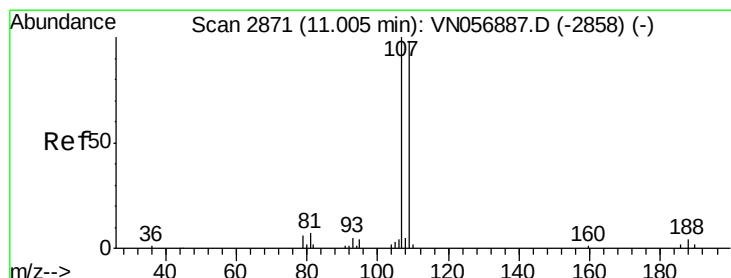
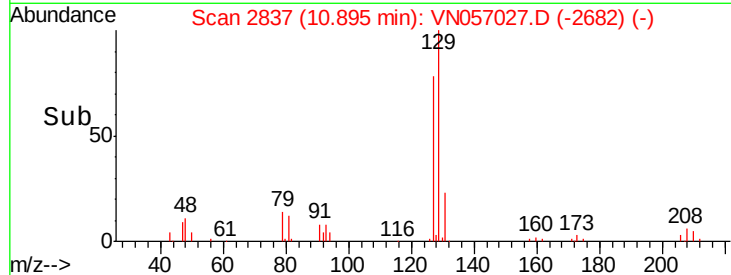
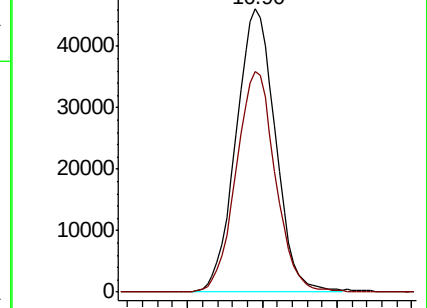
129 100

127 77.7 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.119 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN057027.D

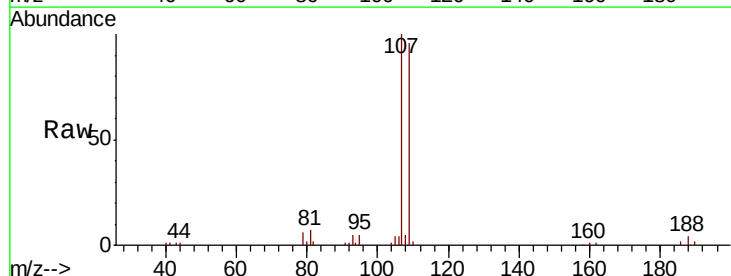
Acq: 1 Aug 2019 10:59

Tgt Ion:107 Resp: 83916

Ion Ratio Lower Upper

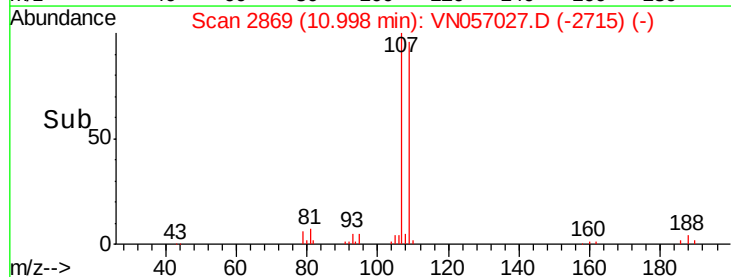
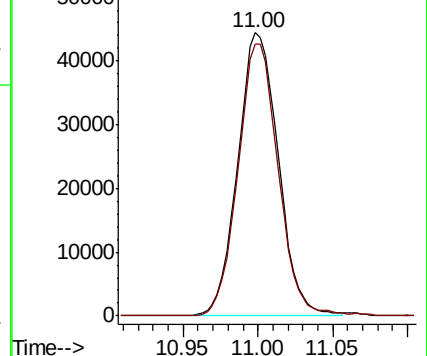
107 100

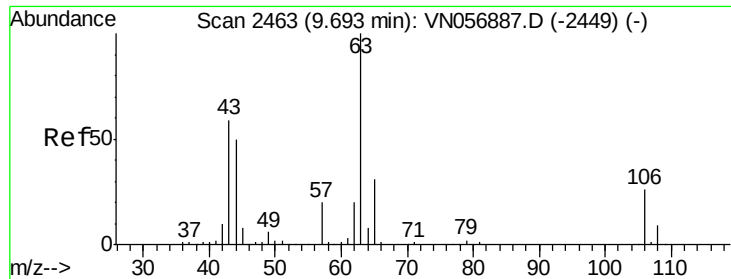
109 95.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

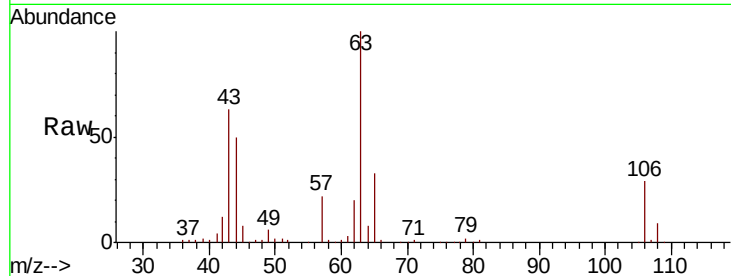




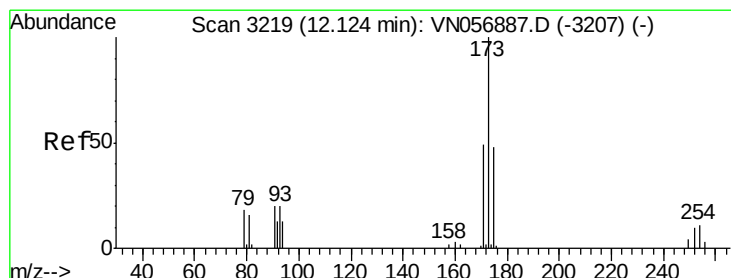
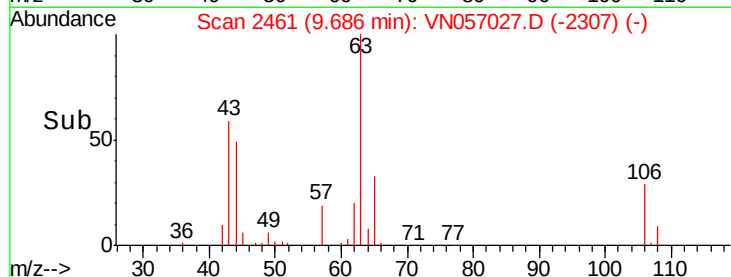
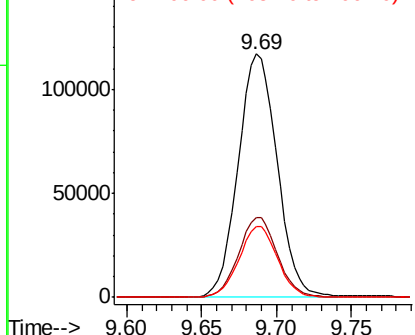
#55
2-Chloroethyl vinyl ether
Concen: 78.988 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion: 63 Resp: 212882
Ion Ratio Lower Upper
63 100
65 32.5 25.1 37.7
106 28.8 21.5 32.3

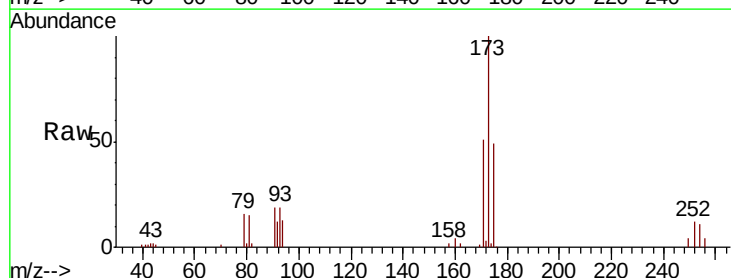


Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)
Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)
Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)

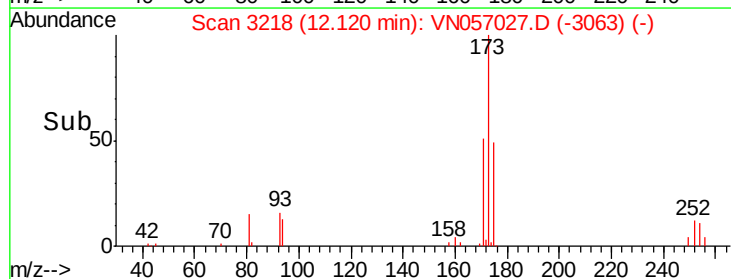
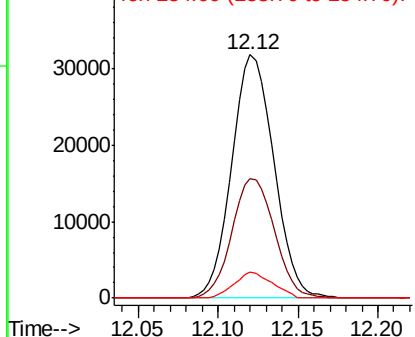


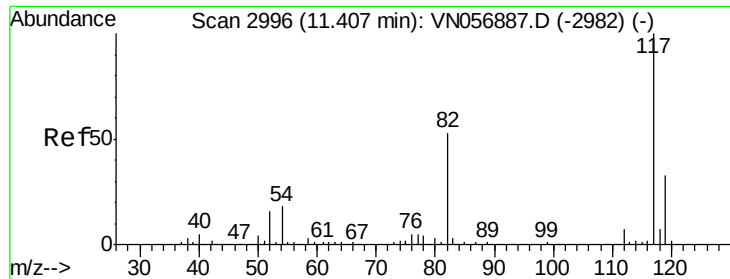
#56
Bromoform
Concen: 18.526 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 173 Resp: 57323
Ion Ratio Lower Upper
173 100
175 49.5 38.8 58.2
254 9.5 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)

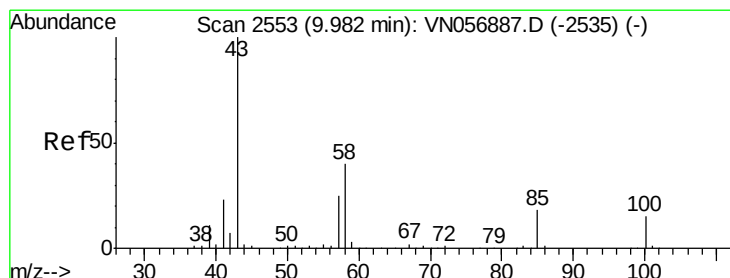
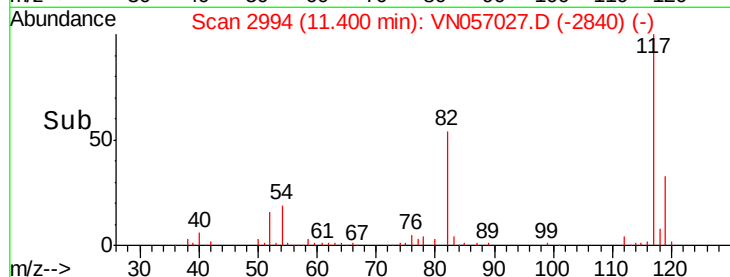
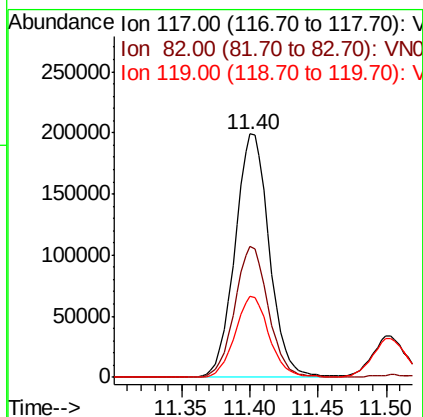
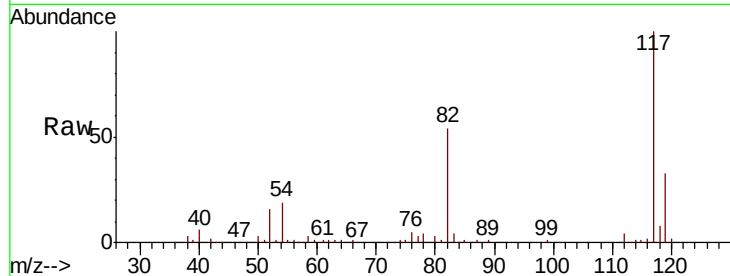




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

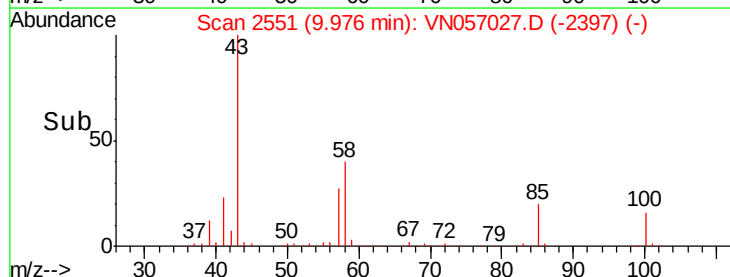
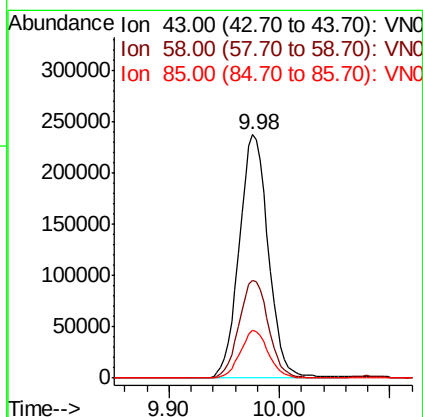
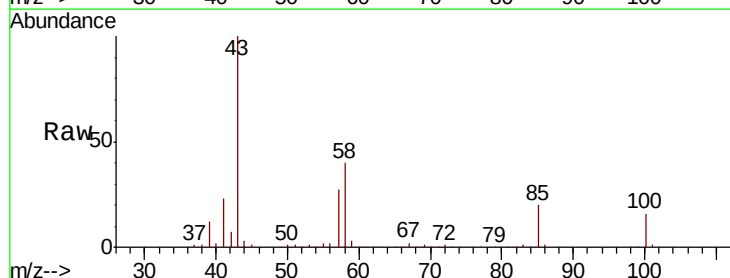
Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

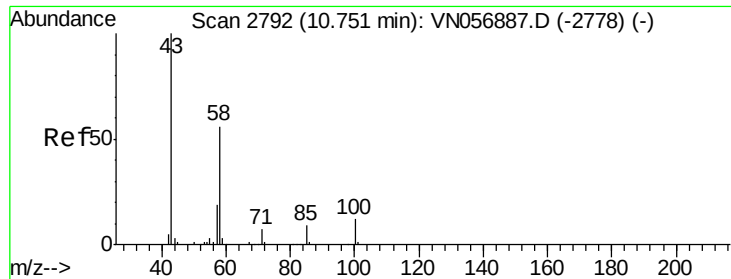
Tot Ion:117 Resp: 347069
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.9 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 92.930 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 432823
Ion Ratio Lower Upper
43 100
58 40.8 31.7 47.5
85 19.0 14.5 21.7

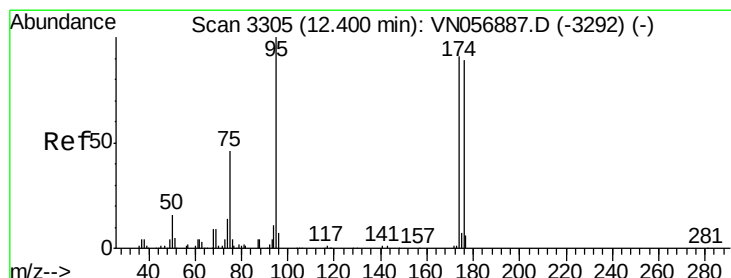
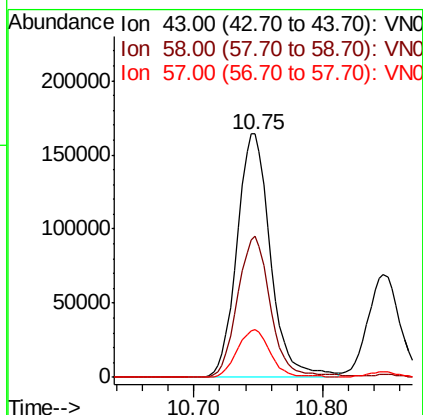
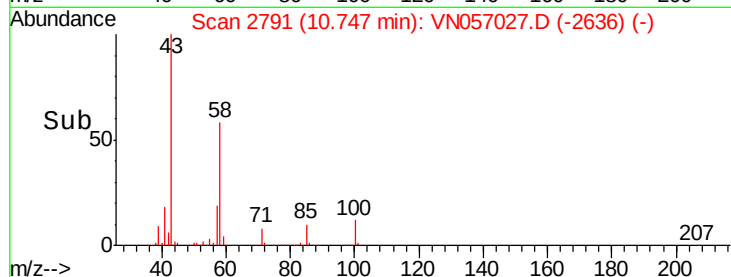
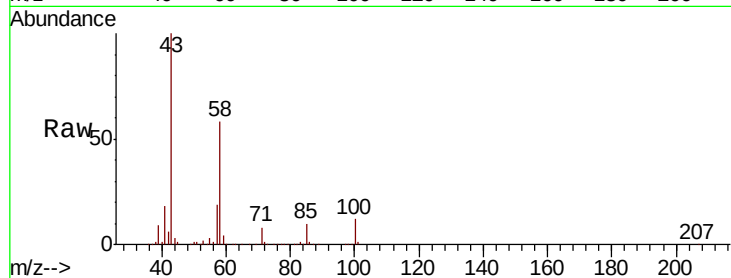




#59
2-Hexanone
Concen: 93.128 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

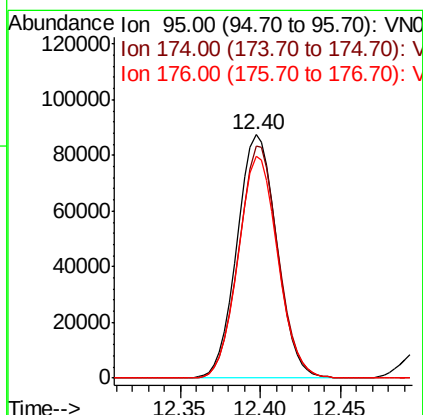
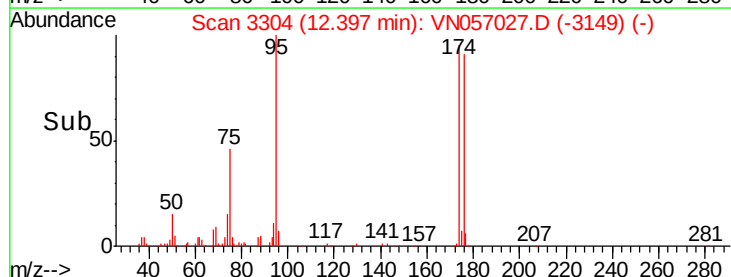
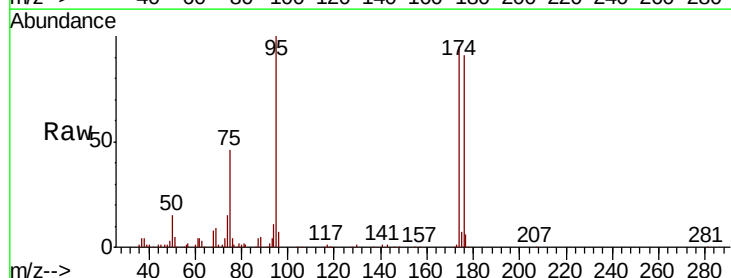
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

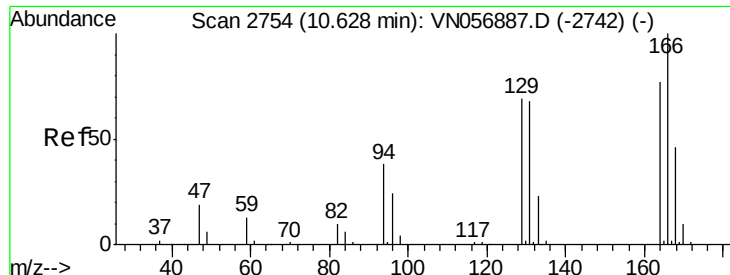
Tot Ion: 43 Resp: 295561
Ion Ratio Lower Upper
43 100
58 57.6 45.0 67.4
57 19.5 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 28.449 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 95 Resp: 147987
Ion Ratio Lower Upper
95 100
174 94.3 71.9 107.9
176 90.8 69.8 104.8





#61

Tetrachloroethene

Concen: 20.393 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion:164 Resp: 99192

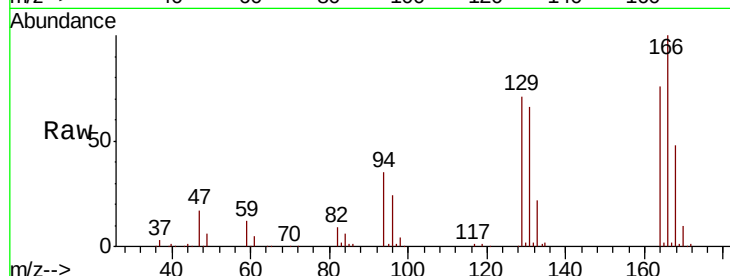
Ion Ratio Lower Upper

164 100

166 130.8 103.9 155.9

129 92.4 72.4 108.6

131 86.0 70.3 105.5

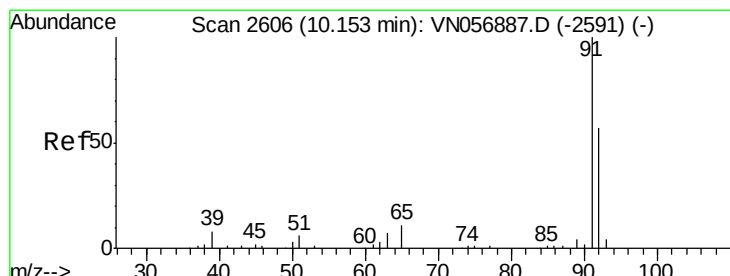
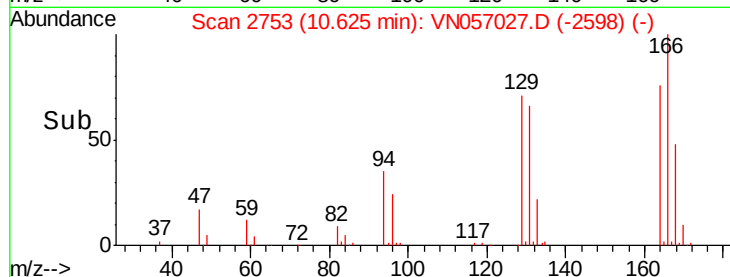
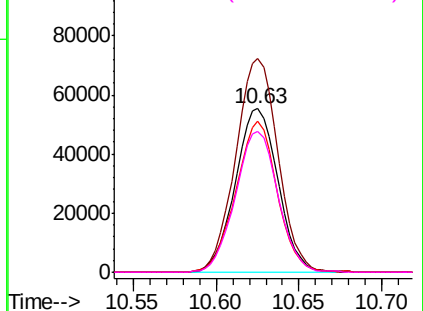


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.453 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057027.D

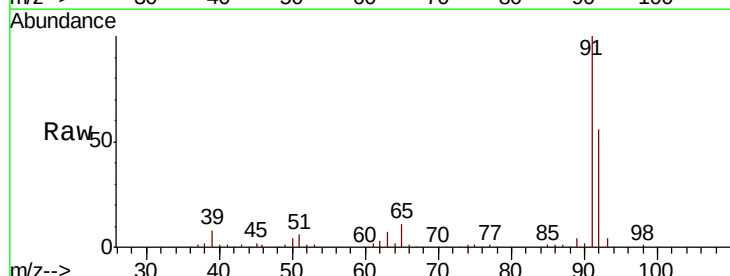
Acq: 1 Aug 2019 10:59

Tgt Ion: 91 Resp: 367197

Ion Ratio Lower Upper

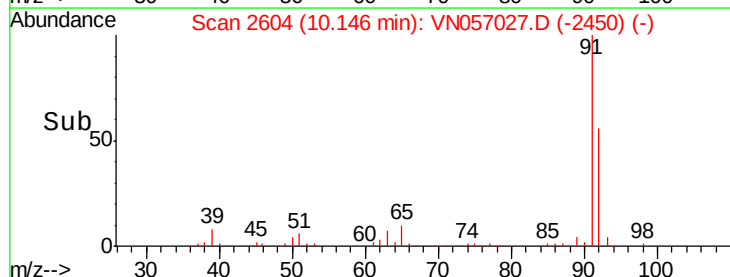
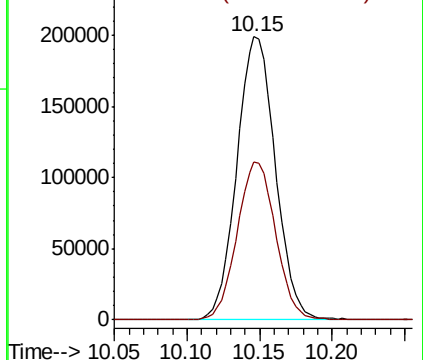
91 100

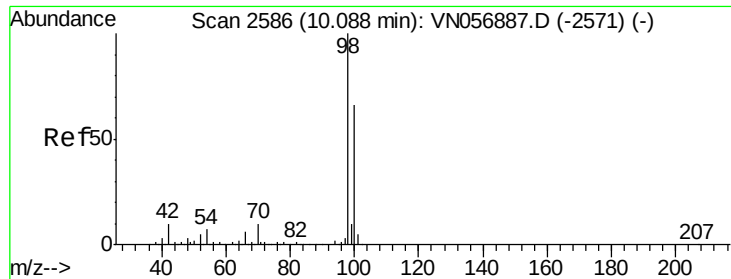
92 55.9 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.892 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

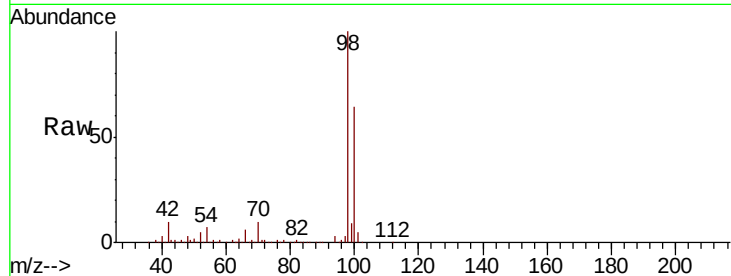
VN0801WBSD01

Tot Ion: 98 Resp: 506457

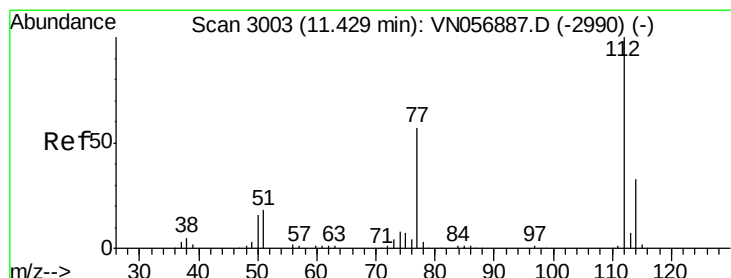
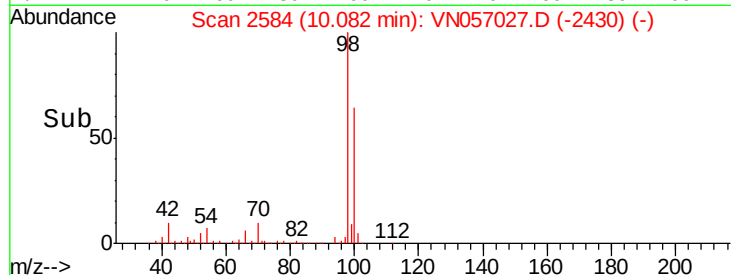
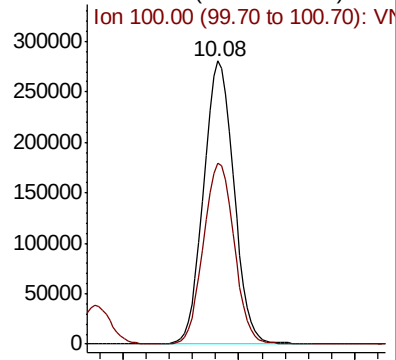
Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056887.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.227 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057027.D

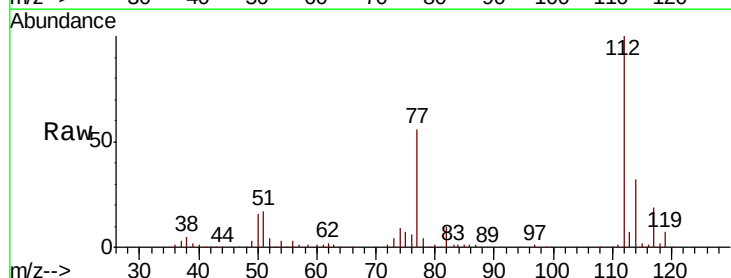
Acq: 1 Aug 2019 10:59

Tgt Ion: 112 Resp: 218611

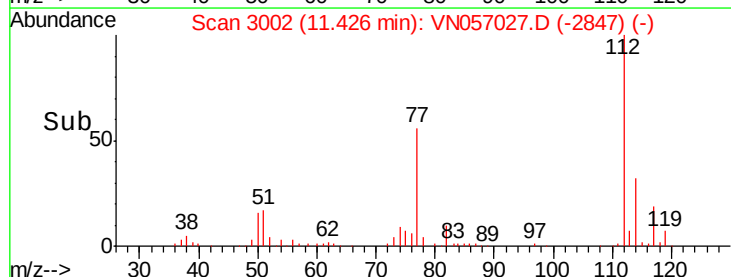
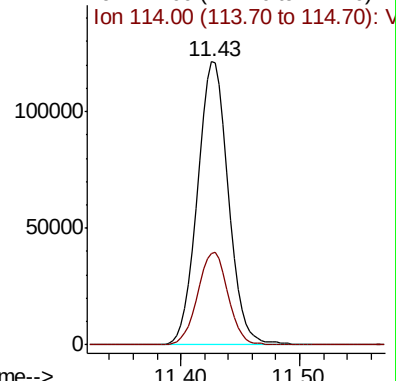
Ion Ratio Lower Upper

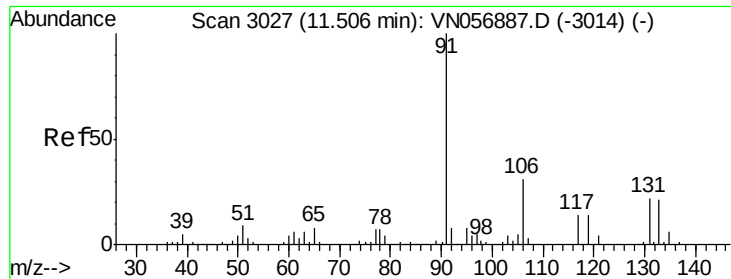
112 100

114 32.3 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN056887.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.560 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

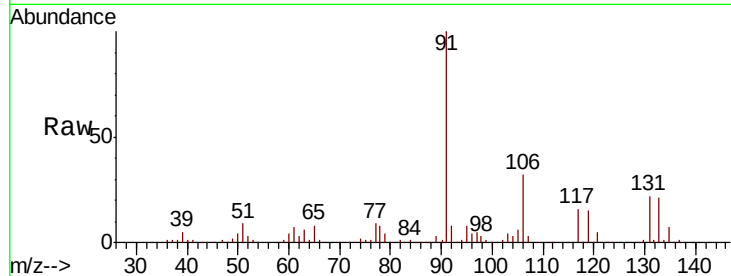
Tot Ion:131 Resp: 84239

Ion Ratio Lower Upper

131 100

133 95.4 0.0 189.6

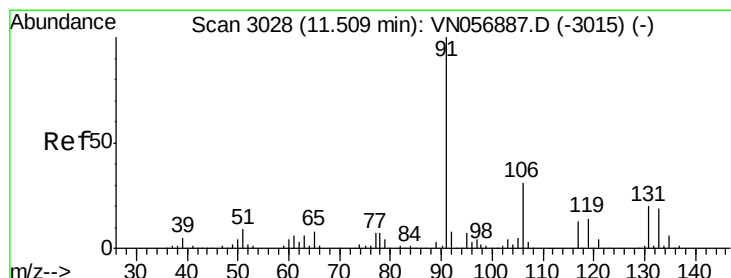
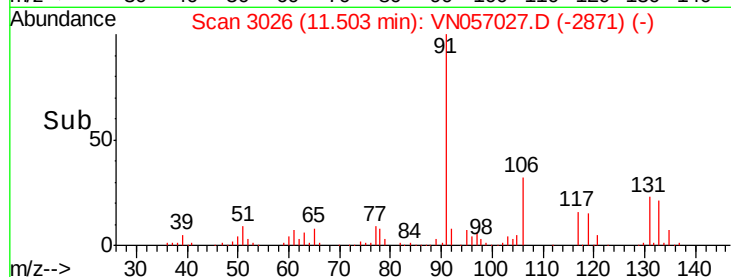
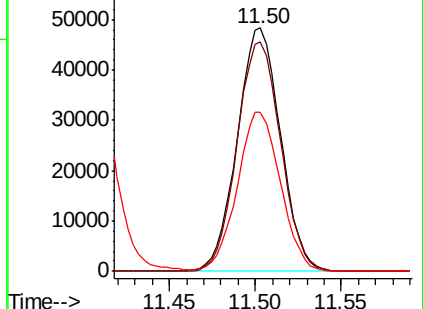
119 65.6 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.731 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057027.D

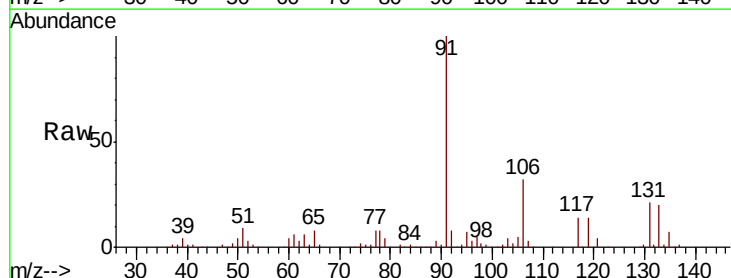
Acq: 1 Aug 2019 10:59

Tgt Ion: 91 Resp: 372575

Ion Ratio Lower Upper

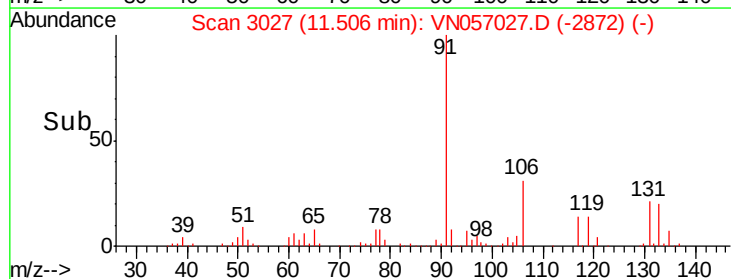
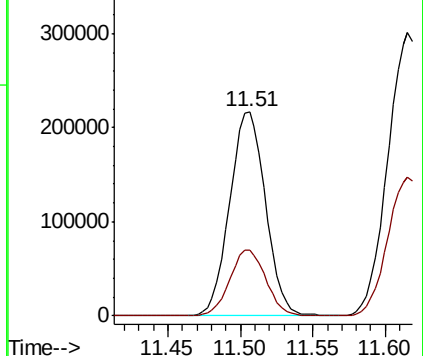
91 100

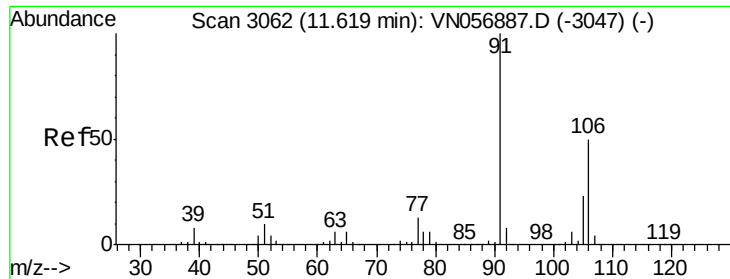
106 32.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

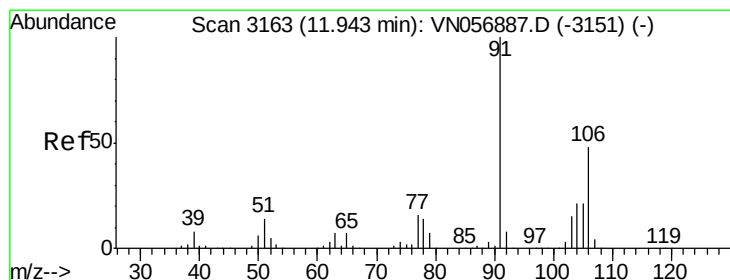
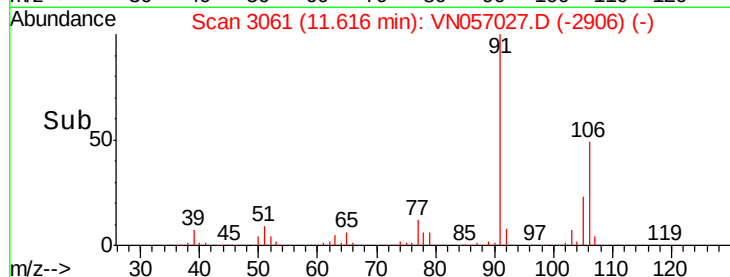
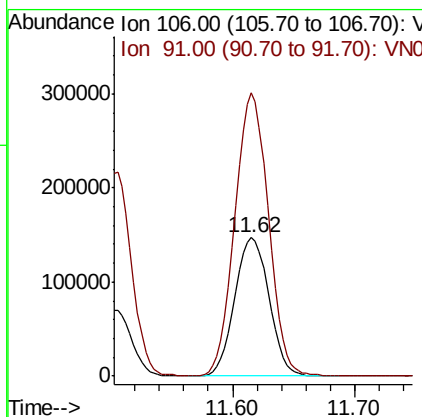
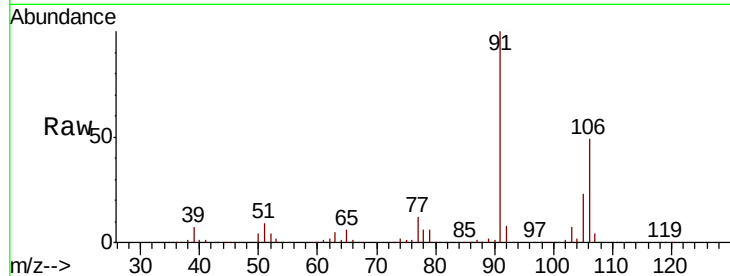




#67
m/p-Xylenes
Concen: 38.687 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

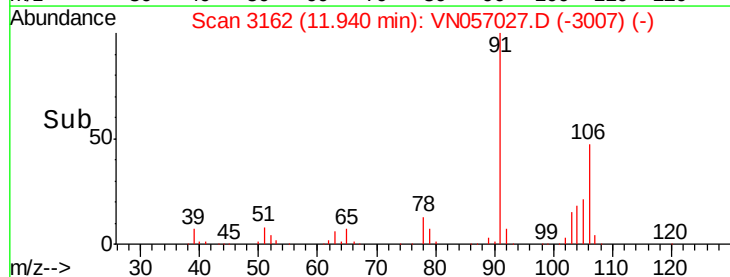
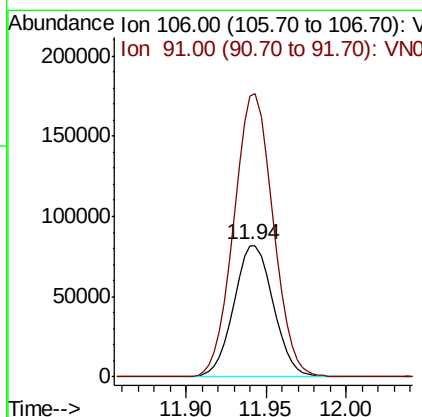
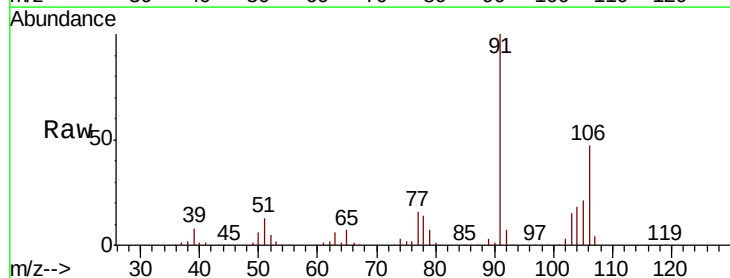
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

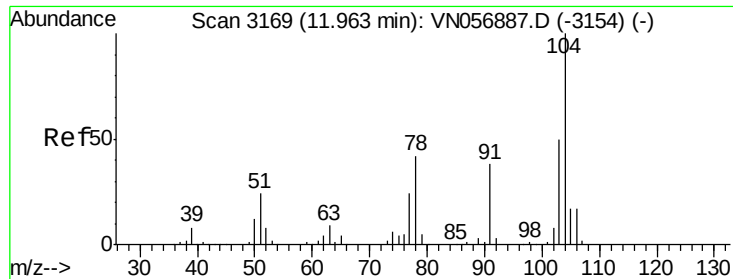
Tot Ion:106 Resp: 286954
Ion Ratio Lower Upper
106 100
91 200.8 160.6 240.8



#68
o-Xylene
Concen: 18.949 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion:106 Resp: 138192
Ion Ratio Lower Upper
106 100
91 214.1 106.2 318.6

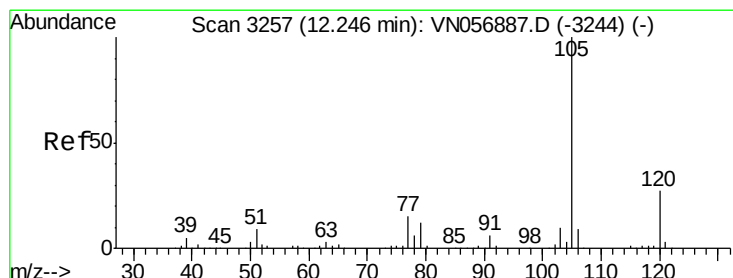
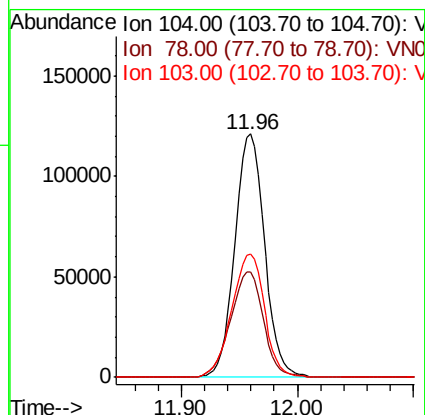
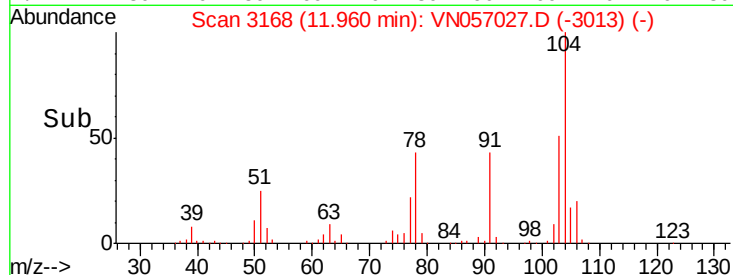
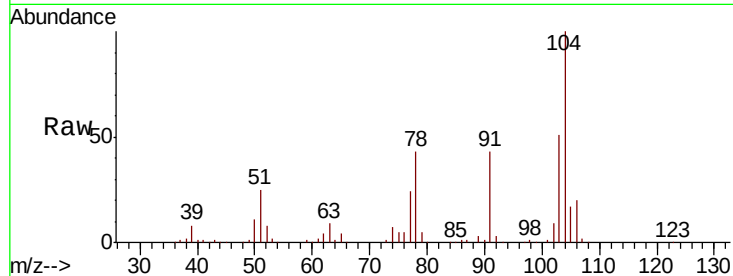




#69
Stvrene
Concen: 18.273 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

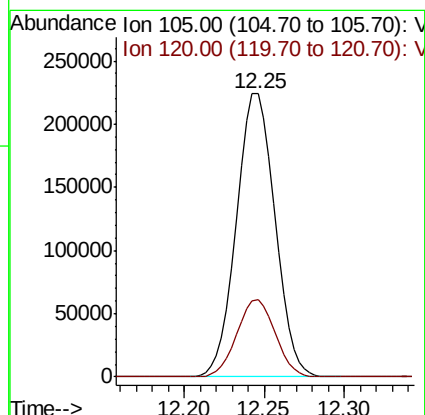
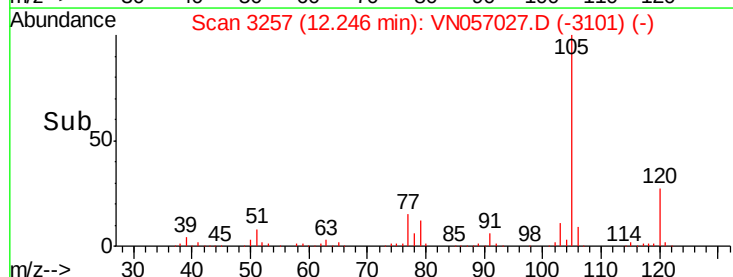
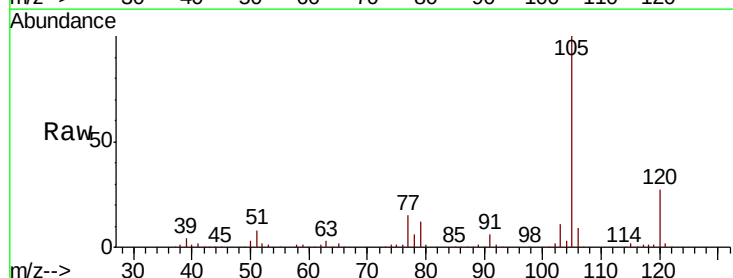
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

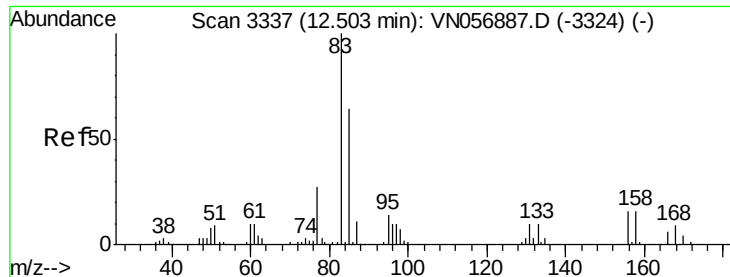
Tot Ion:104 Resp: 215941
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.9 44.7 67.1



#70
Isopropylbenzene
Concen: 19.162 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion:105 Resp: 367946
Ion Ratio Lower Upper
105 100
120 27.1 18.7 34.7

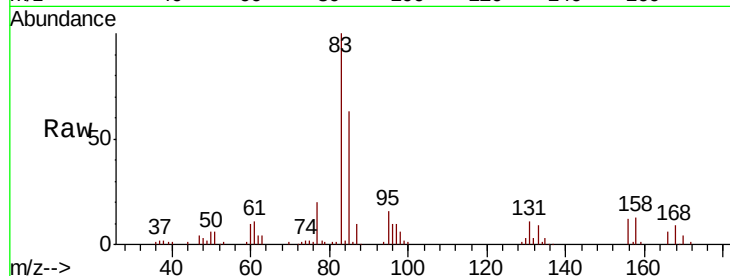




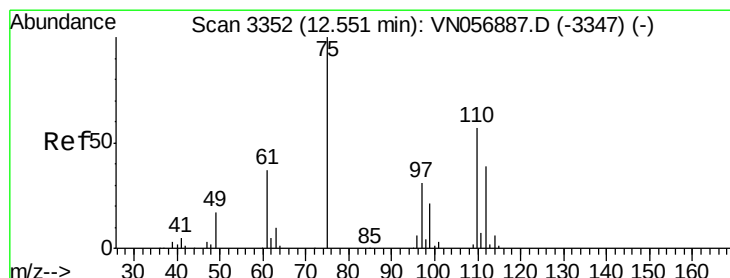
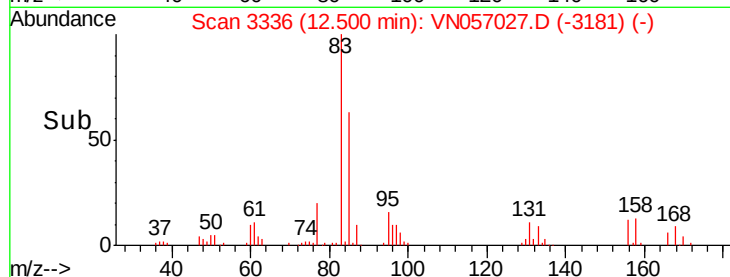
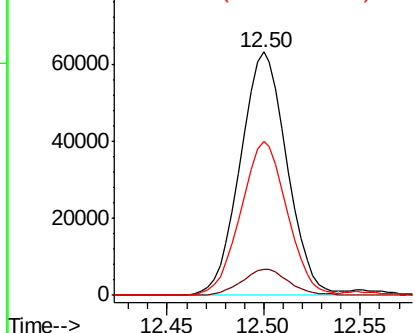
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.663 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion: 83 Resp: 105754
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.1 15.2
 85 62.8 31.8 95.4

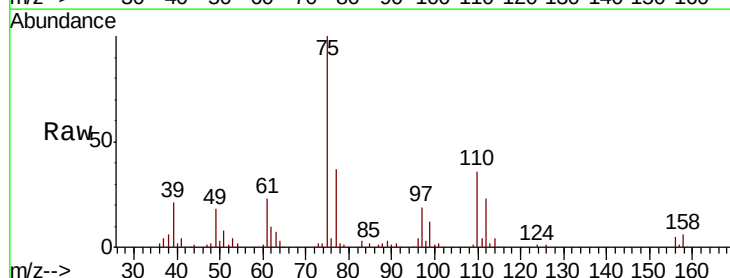


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

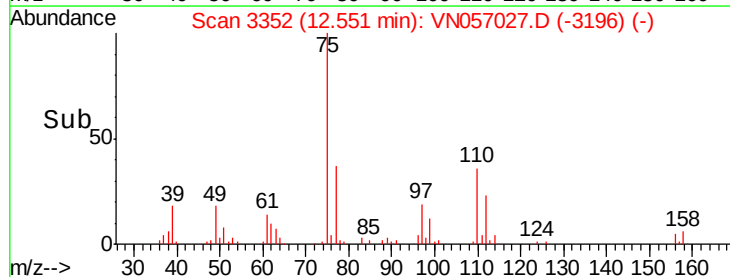
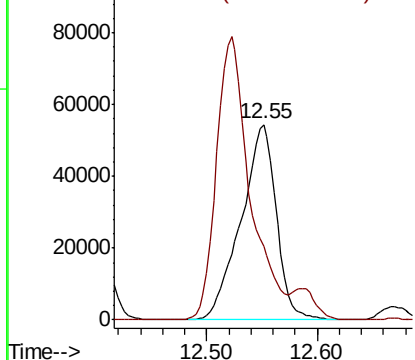


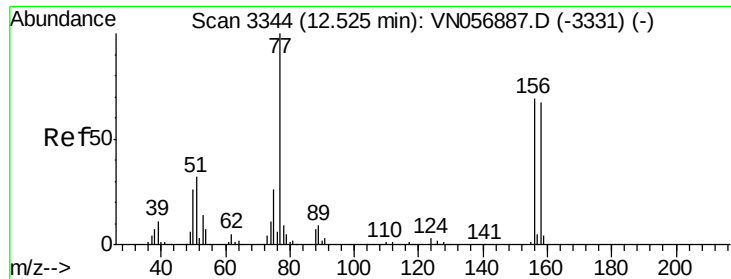
#72
 1,2,3-Trichloropropane
 Concen: 25.530 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 75 Resp: 120807
 Ion Ratio Lower Upper
 75 100
 77 137.8 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.671 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

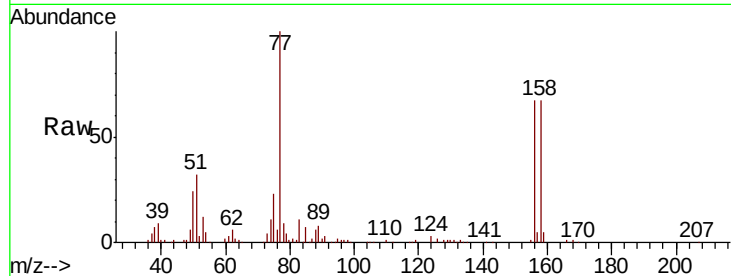
Tot Ion:156 Resp: 92513

Ion Ratio Lower Upper

156 100

77 179.9 0.0 364.6

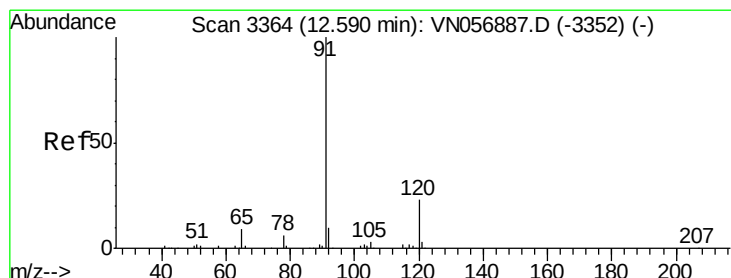
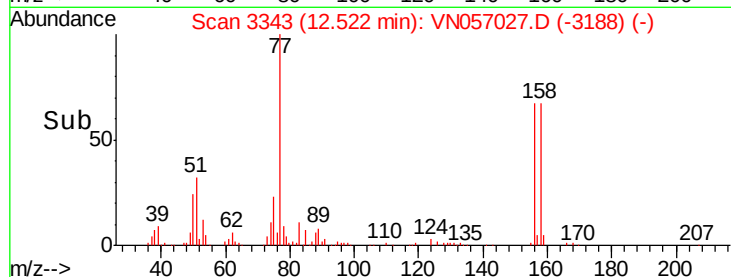
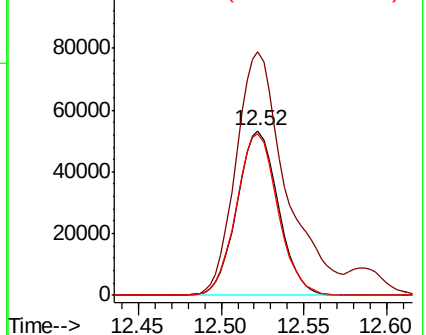
158 98.9 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.058 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057027.D

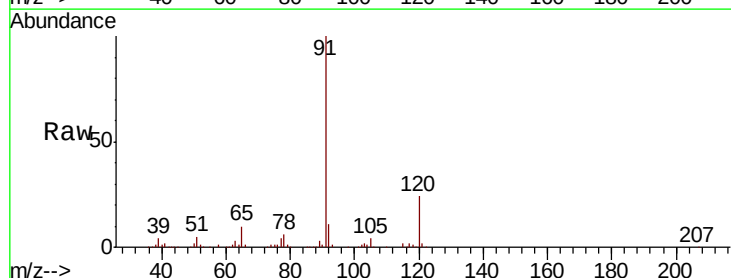
Acq: 1 Aug 2019 10:59

Tgt Ion: 91 Resp: 379133

Ion Ratio Lower Upper

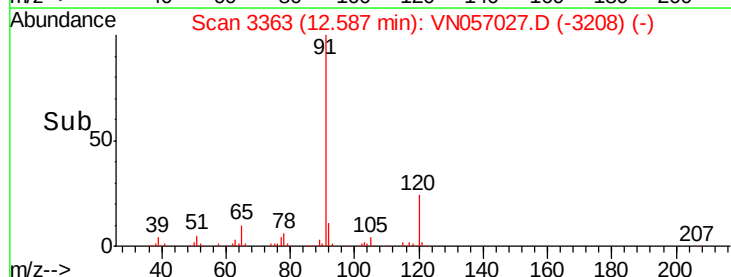
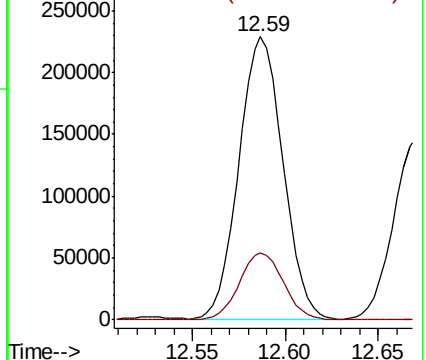
91 100

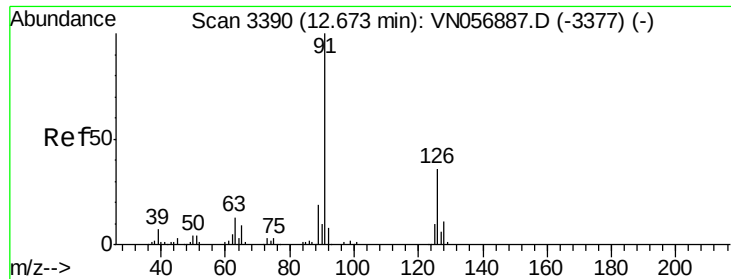
120 23.6 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.984 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

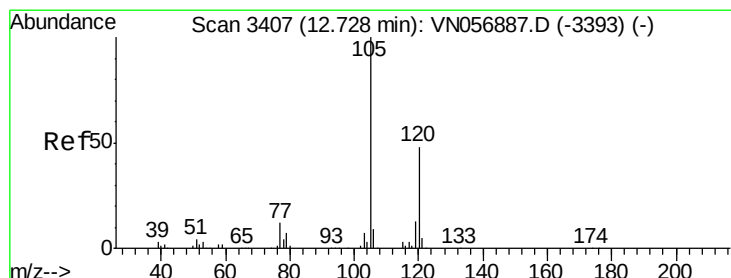
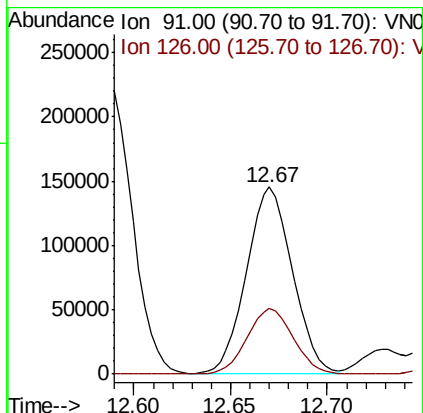
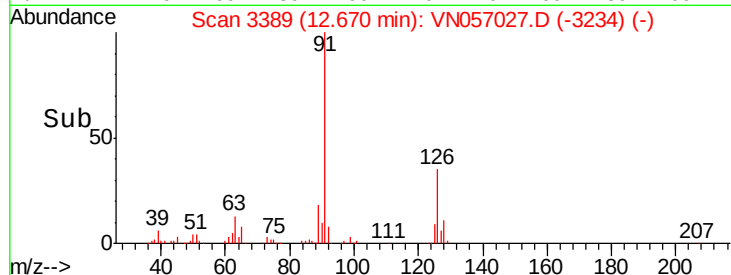
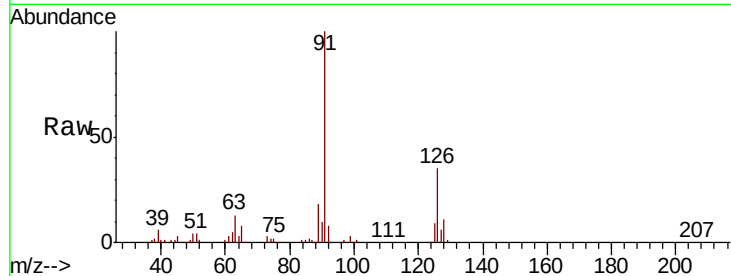
VN0801WBSD01

Tot Ion: 91 Resp: 241648

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 19.371 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057027.D

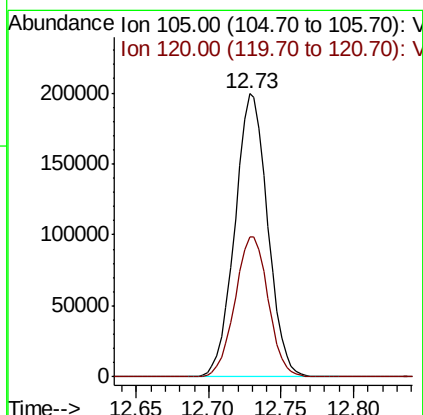
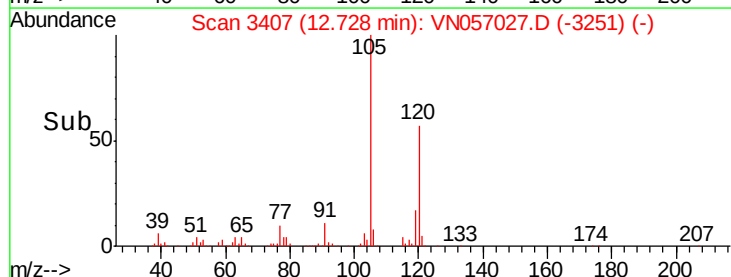
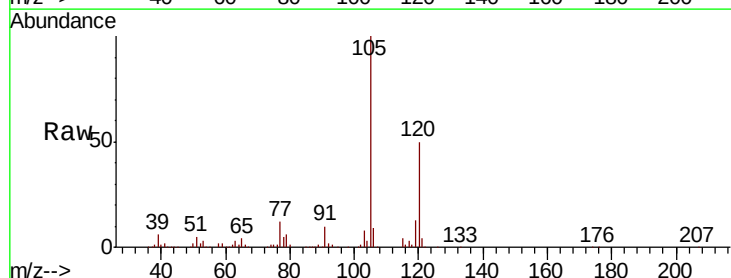
Acq: 1 Aug 2019 10:59

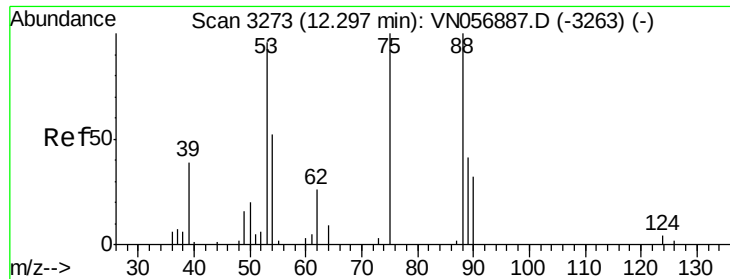
Tgt Ion:105 Resp: 313129

Ion Ratio Lower Upper

105 100

120 50.2 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 17.012 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

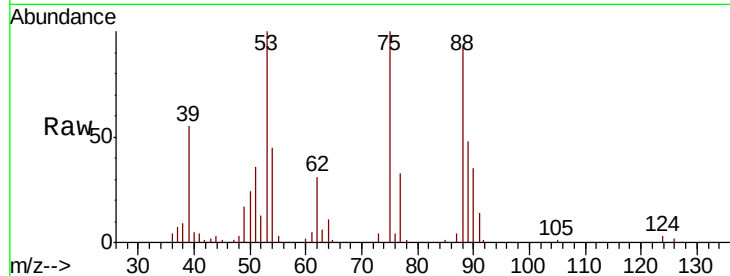
Tot Ion: 75 Resp: 25276

Ion Ratio Lower Upper

75 100

53 101.7 48.0 144.0

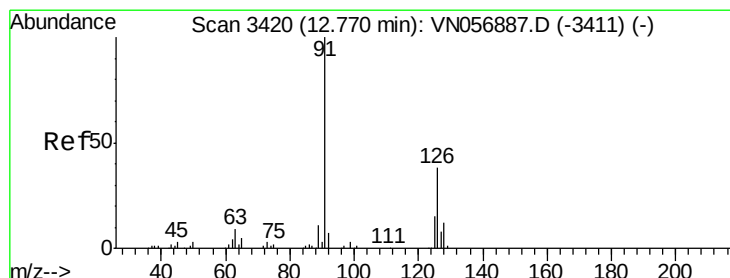
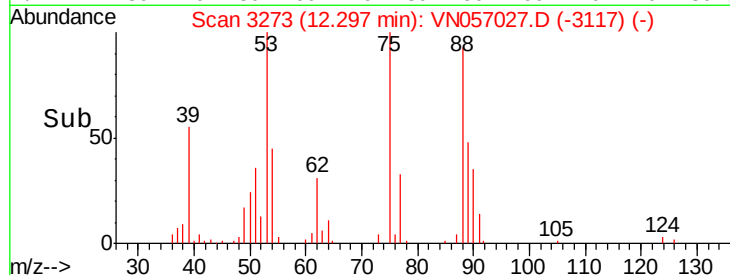
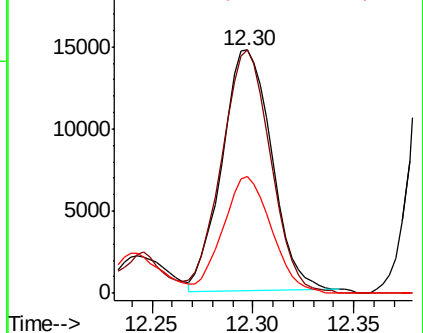
89 48.9 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.931 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057027.D

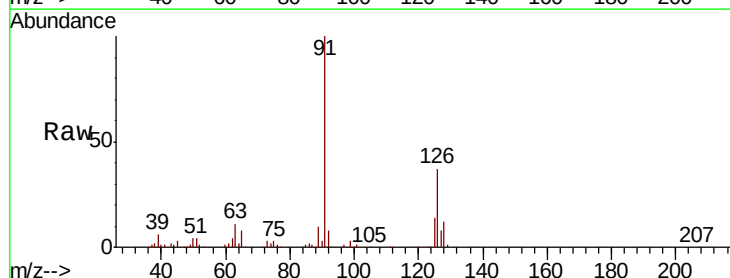
Acq: 1 Aug 2019 10:59

Tgt Ion: 91 Resp: 216957

Ion Ratio Lower Upper

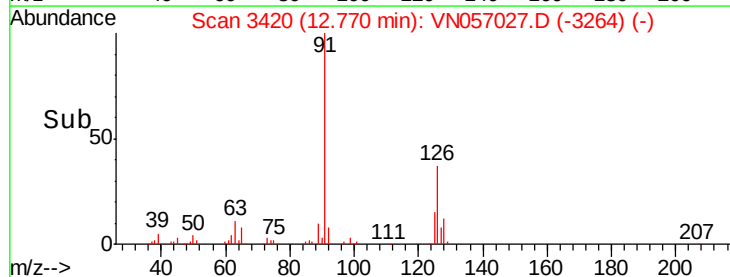
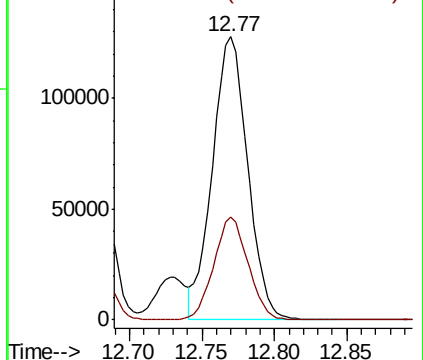
91 100

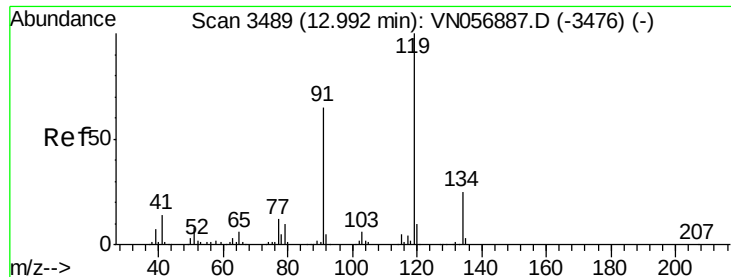
126 35.3 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

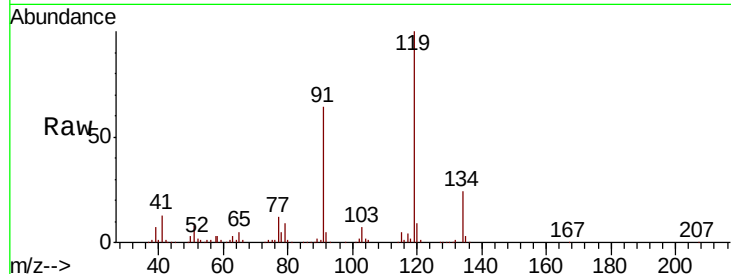




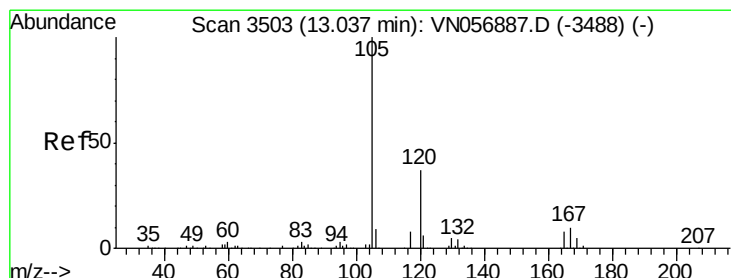
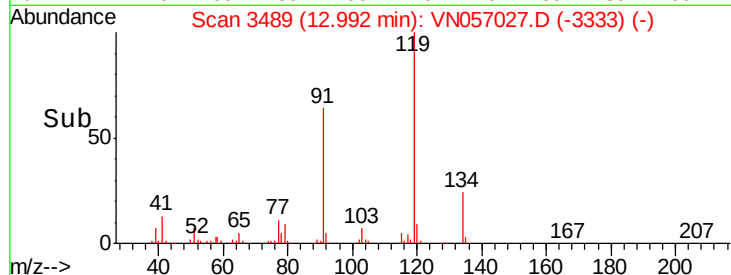
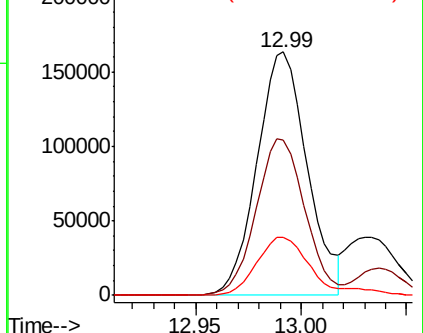
#79
tert-butylbenzene
Concen: 19.432 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion:119 Resp: 271066
Ion Ratio Lower Upper
119 100
91 62.9 0.0 126.8
134 24.1 0.0 48.8

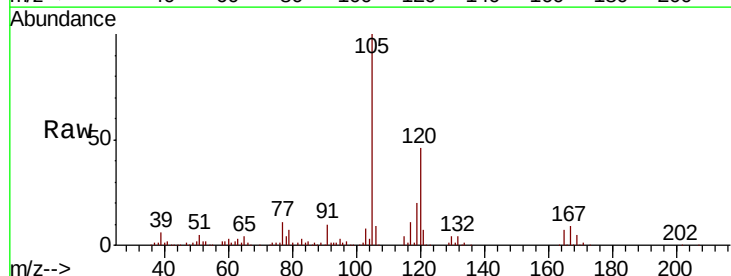


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

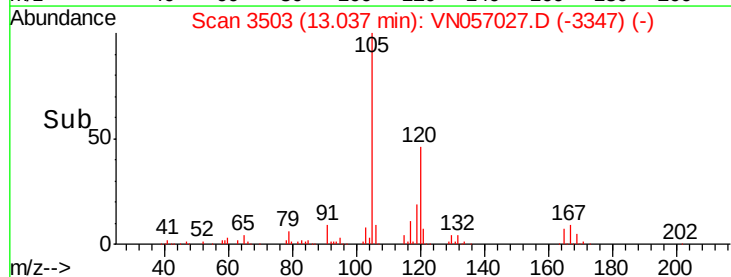
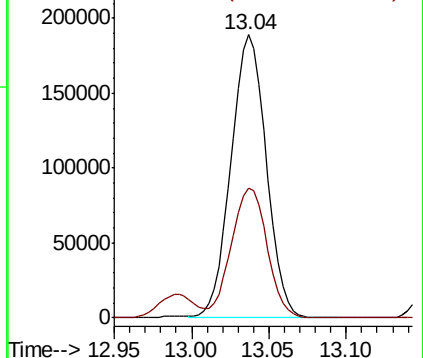


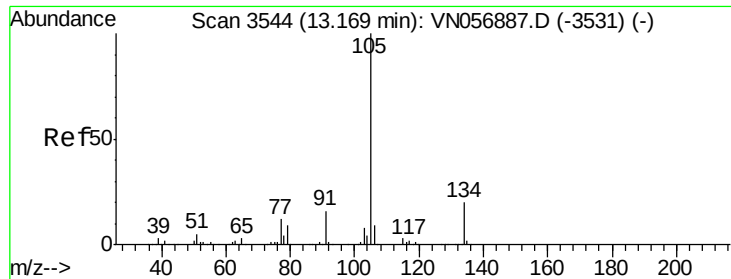
#80
1,2,4-Trimethylbenzene
Concen: 18.979 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion:105 Resp: 299089
Ion Ratio Lower Upper
105 100
120 46.8 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.735 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

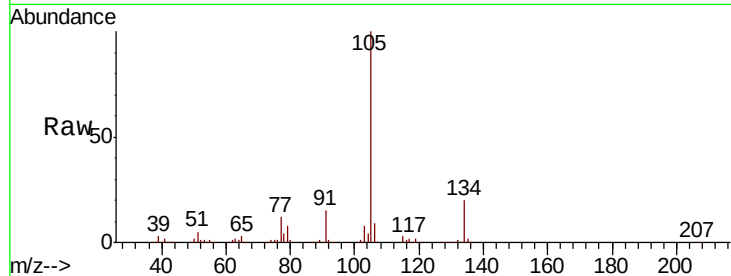
VN0801WBSD01

Tot Ion:105 Resp: 341206

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

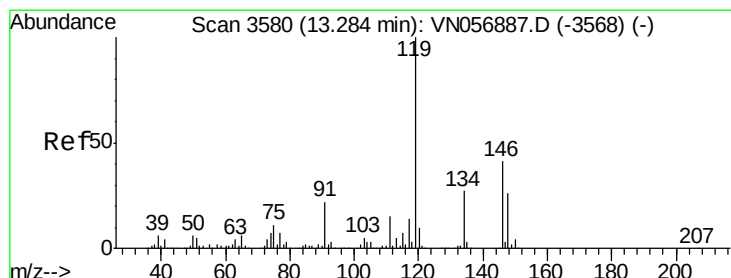
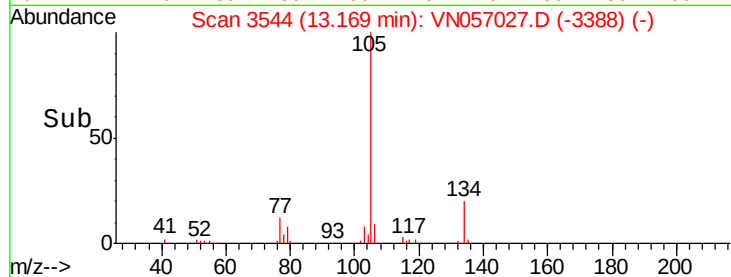
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 18.339 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

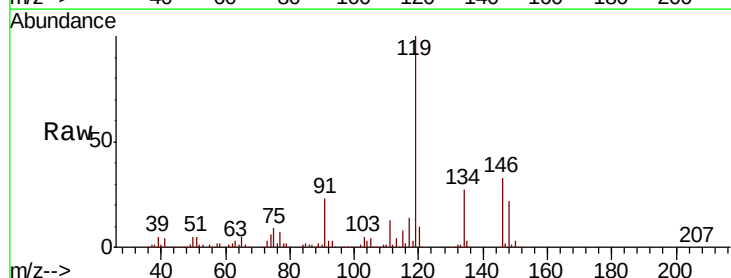
Tgt Ion:119 Resp: 299954

Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.2

91 22.9 0.0 44.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

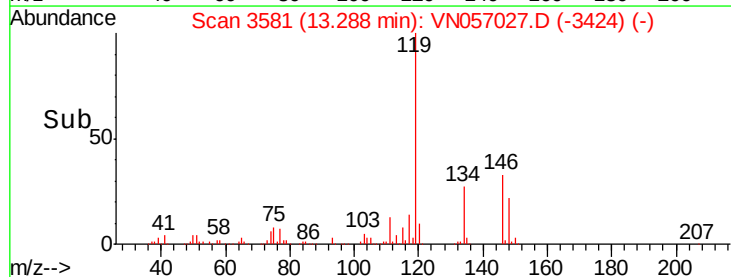
100000

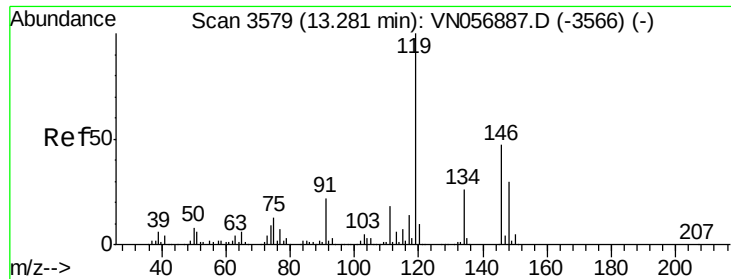
50000

0

13.20 13.25 13.30 13.35

Time-->





#83

1,3-Dichlorobenzene

Concen: 16.917 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

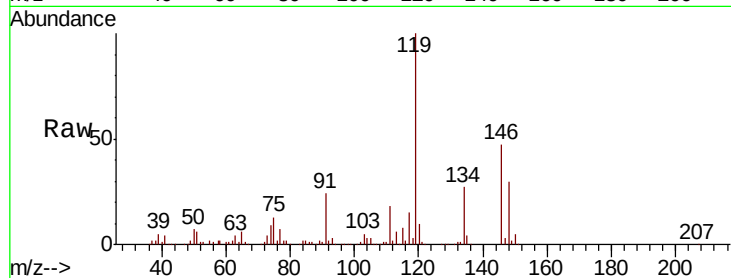
Tot Ion:146 Resp: 131977

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.4

148 65.8 31.7 95.1

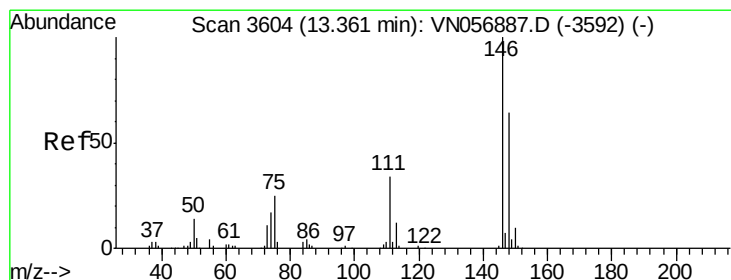
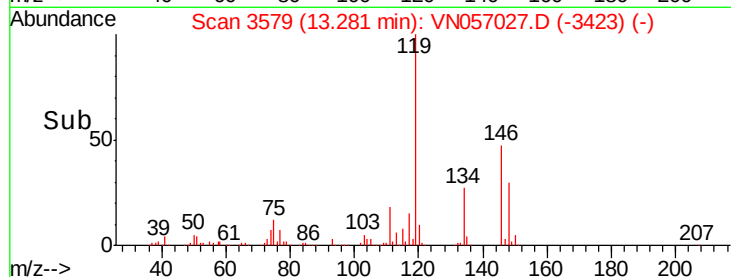
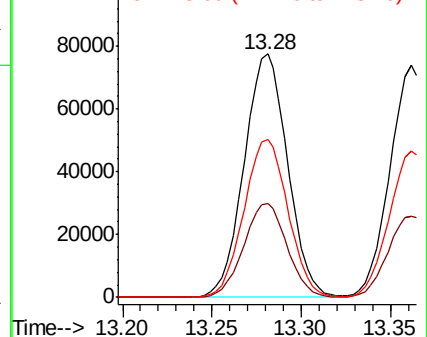


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 16.507 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

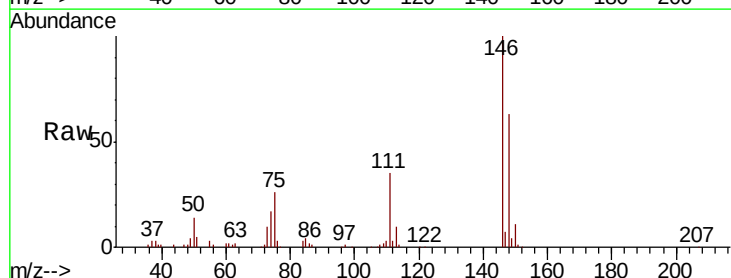
Tgt Ion:146 Resp: 121764

Ion Ratio Lower Upper

146 100

111 37.1 17.8 53.5

148 65.0 32.6 97.7

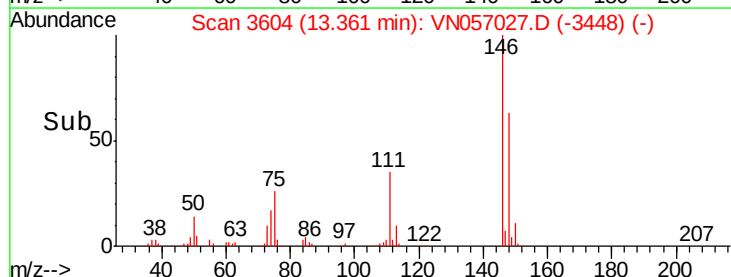
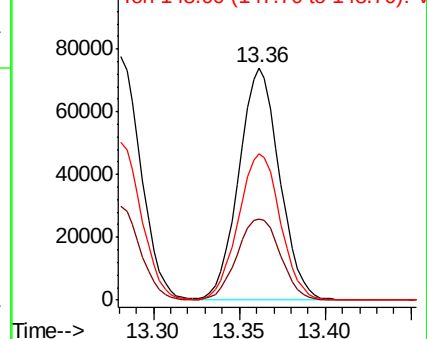


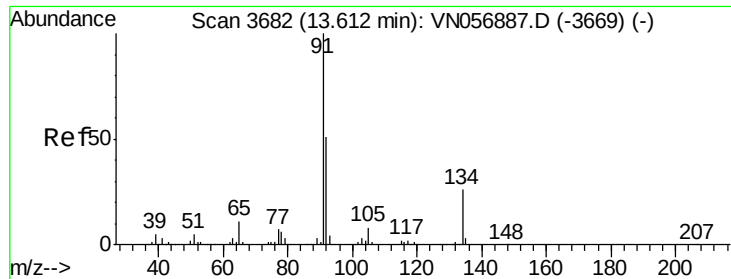
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 16.263 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

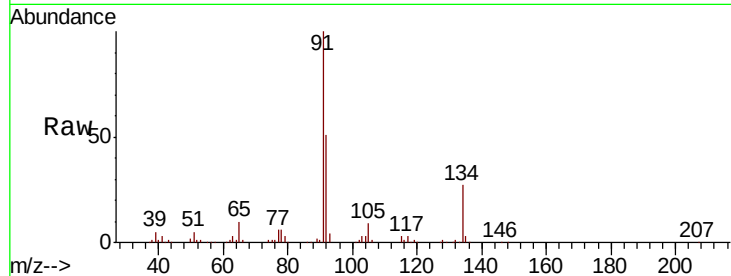
Tot Ion: 91 Resp: 208875

Ion Ratio Lower Upper

91 100

92 51.4 0.0 101.8

134 27.0 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)

13.61

150000

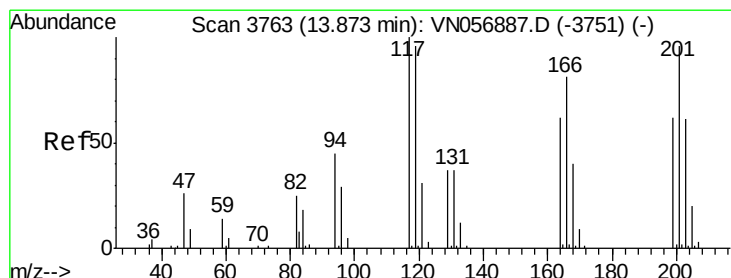
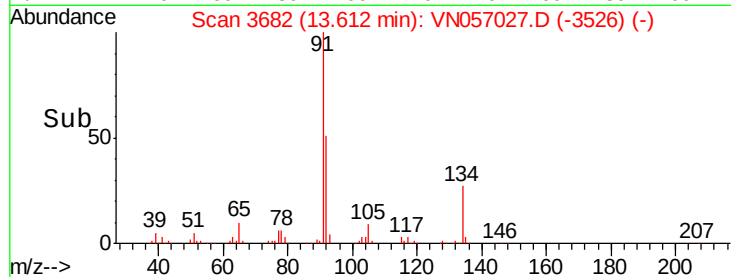
100000

50000

0

Time-->

13.55 13.60 13.65



#86

Hexachloroethane

Concen: 19.487 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN057027.D

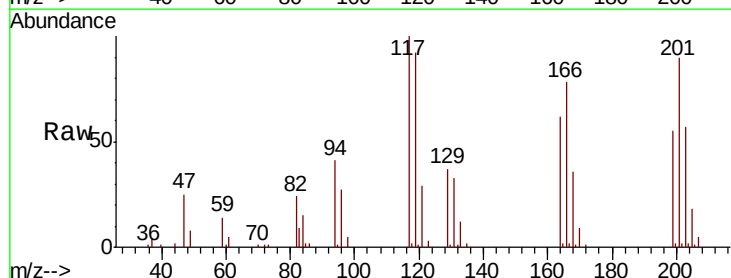
Acq: 1 Aug 2019 10:59

Tgt Ion: 117 Resp: 53342

Ion Ratio Lower Upper

117 100

201 93.4 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

13.87

30000

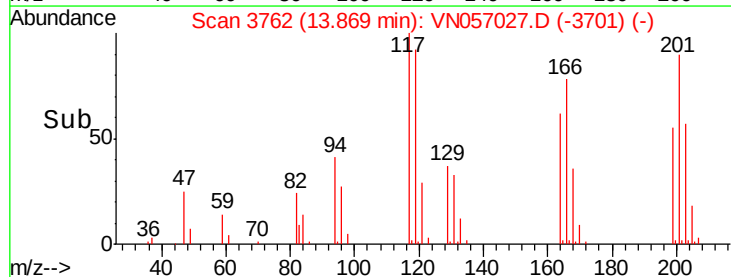
20000

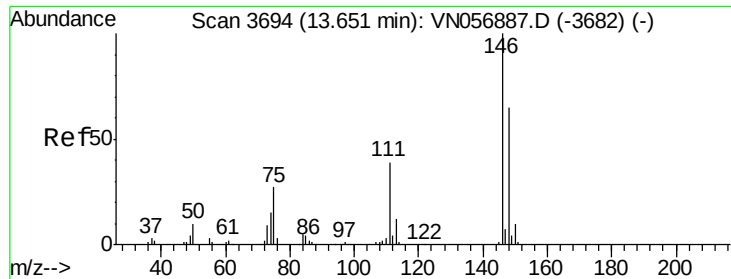
10000

0

Time-->

13.80 13.85 13.90

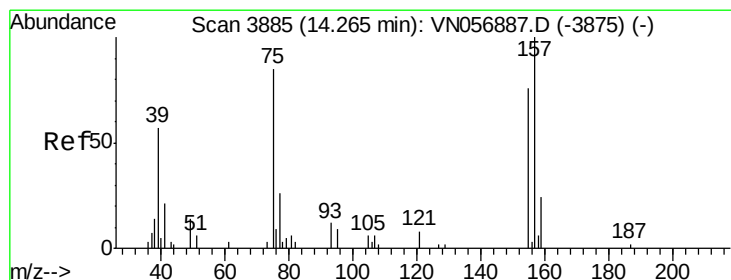
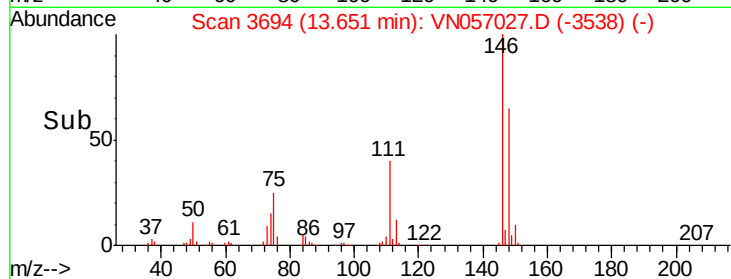
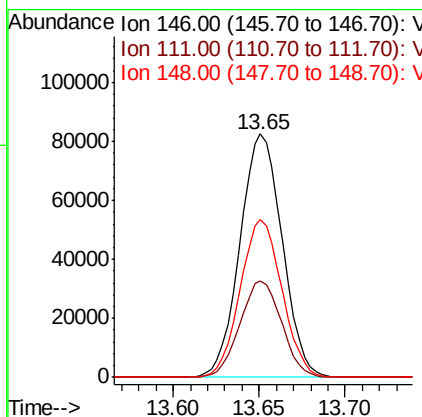
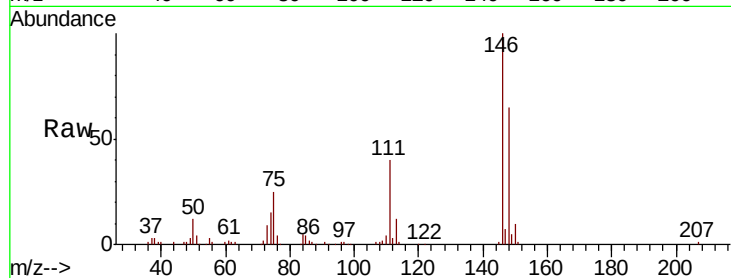




#87
 1,2-Dichlorobenzene
 Concen: 18.196 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

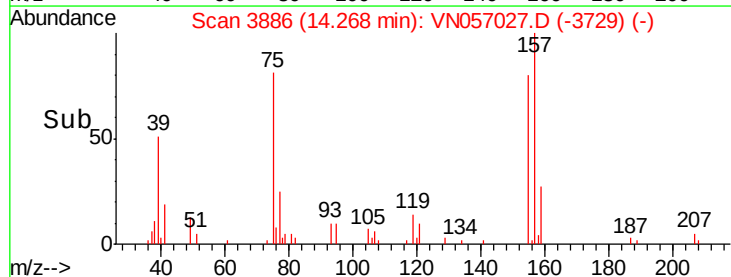
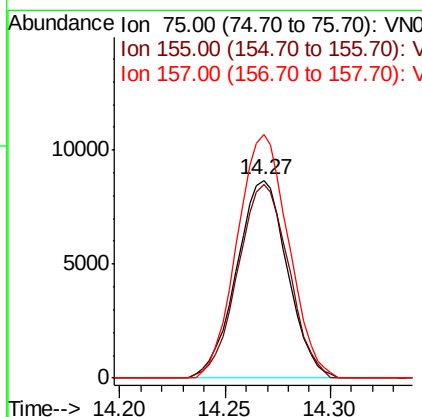
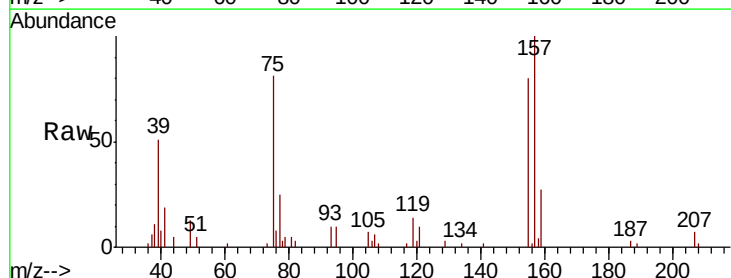
Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

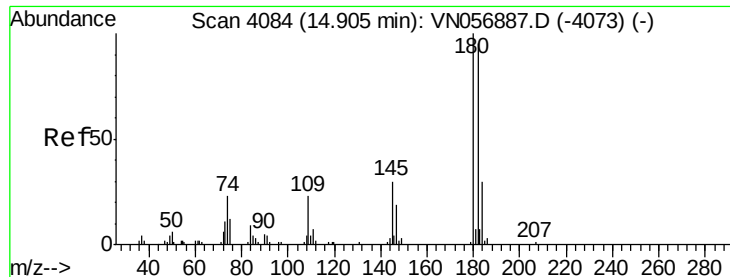
Tot Ion:146 Resp: 140999
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.8
 148 64.0 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.515 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 75 Resp: 14573
 Ion Ratio Lower Upper
 75 100
 155 97.8 73.4 110.2
 157 123.9 95.0 142.6

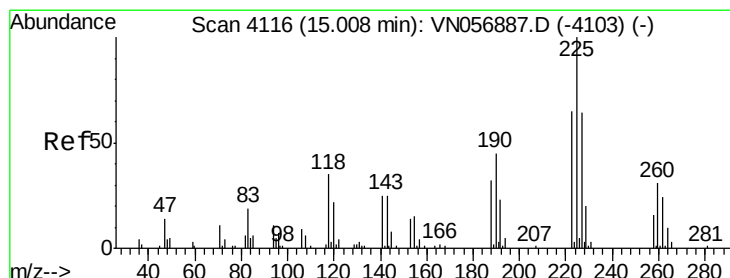
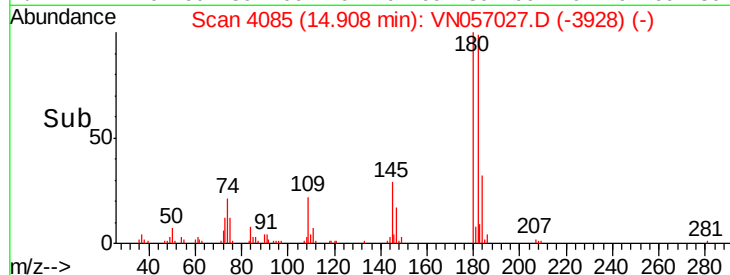
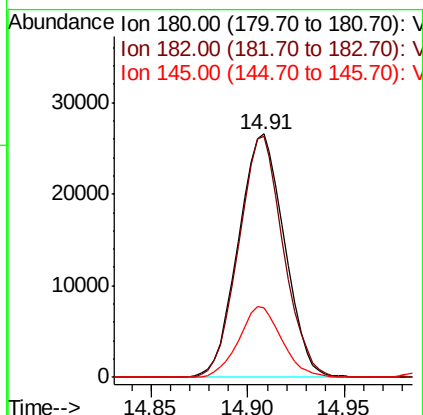
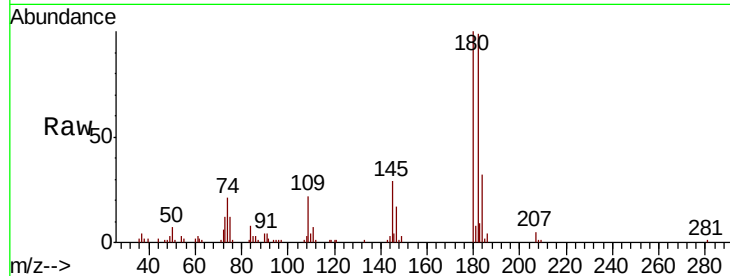




#89
 1,2,4-Trichlorobenzene
 Concen: 16.254 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

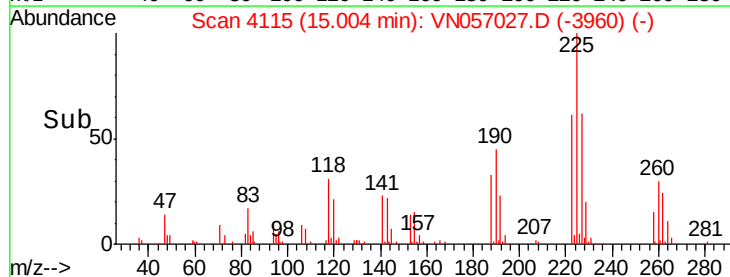
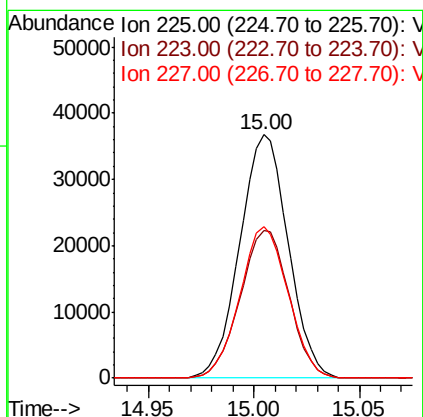
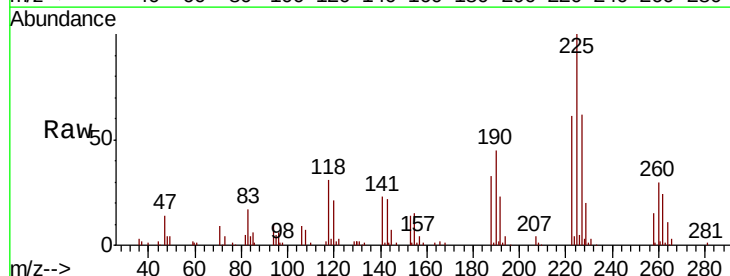
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

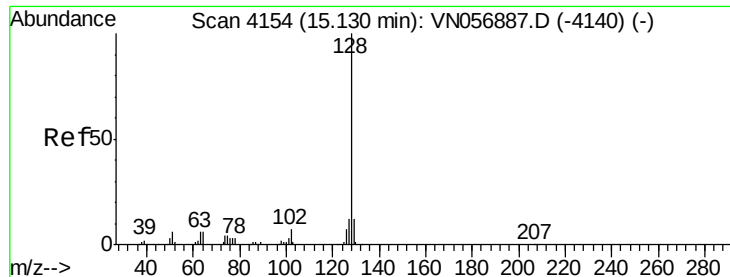
Tot Ion:180 Resp: 43973
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.0 115.4
 145 27.1 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 20.574 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion:225 Resp: 58600
 Ion Ratio Lower Upper
 225 100
 223 61.2 0.0 130.0
 227 61.9 0.0 127.2





#91

Naphthalene

Concen: 15.325 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

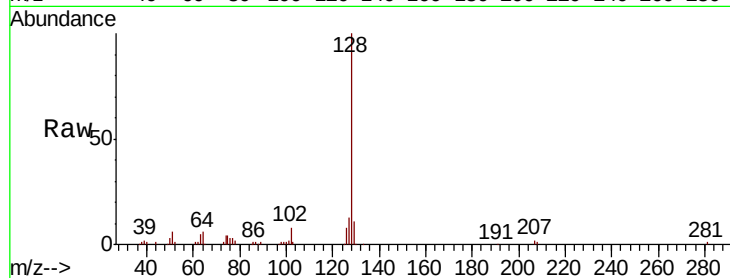
Tot Ion:128 Resp: 104714

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

129 10.9 8.9 13.3

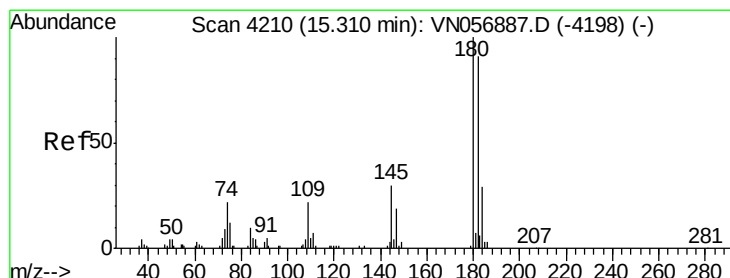
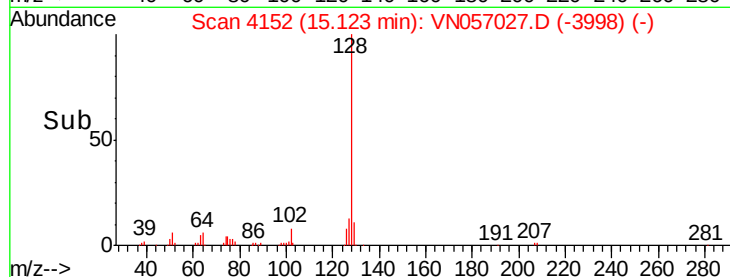
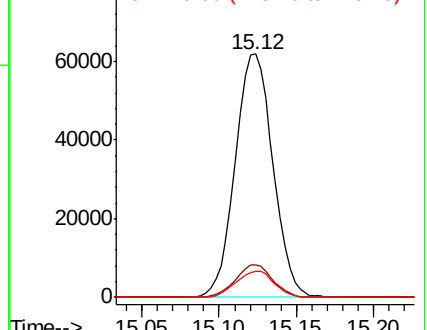


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.391 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

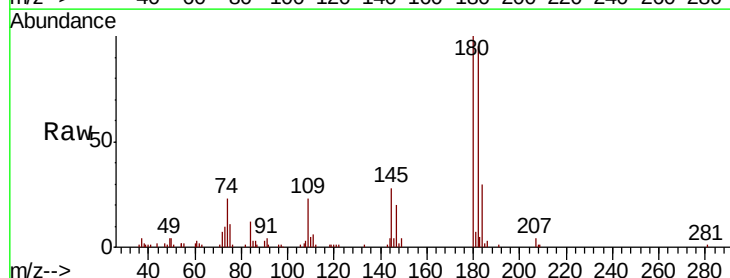
Tgt Ion:180 Resp: 54857

Ion Ratio Lower Upper

180 100

182 93.3 0.0 188.0

145 28.4 0.0 61.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

